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CHEMIST AND DRUGGIST
for RETAILER — WHOLESALER — MANUFACTURER
JULY 2, 1949

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ONE OF WRIGHT'S PRODUCTS

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6 PREPARATIONS OF

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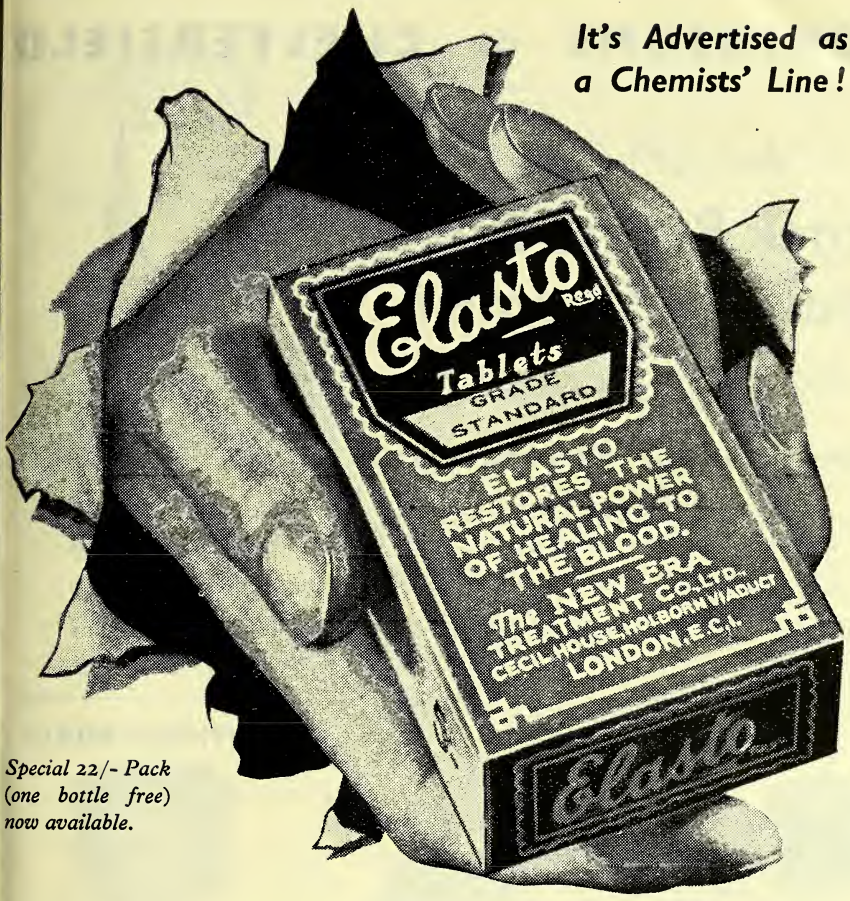

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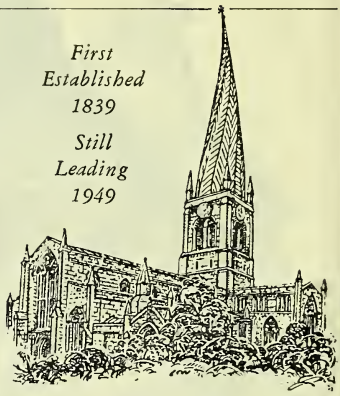

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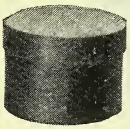

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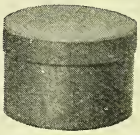

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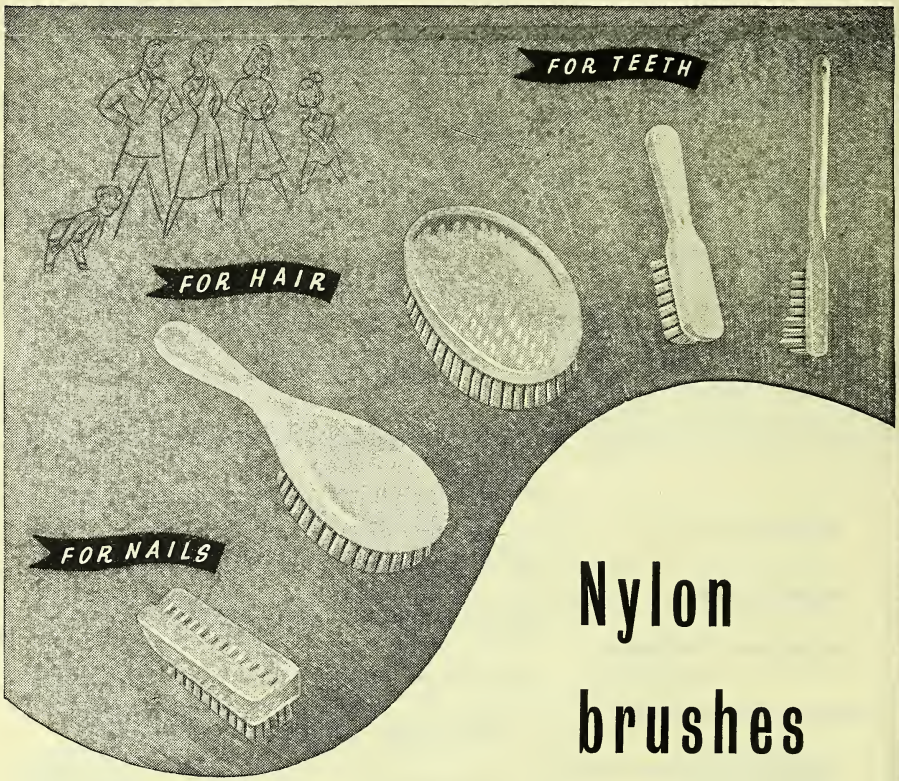

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P.N.85

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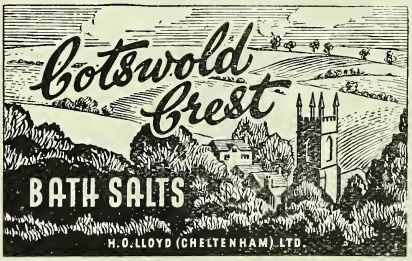

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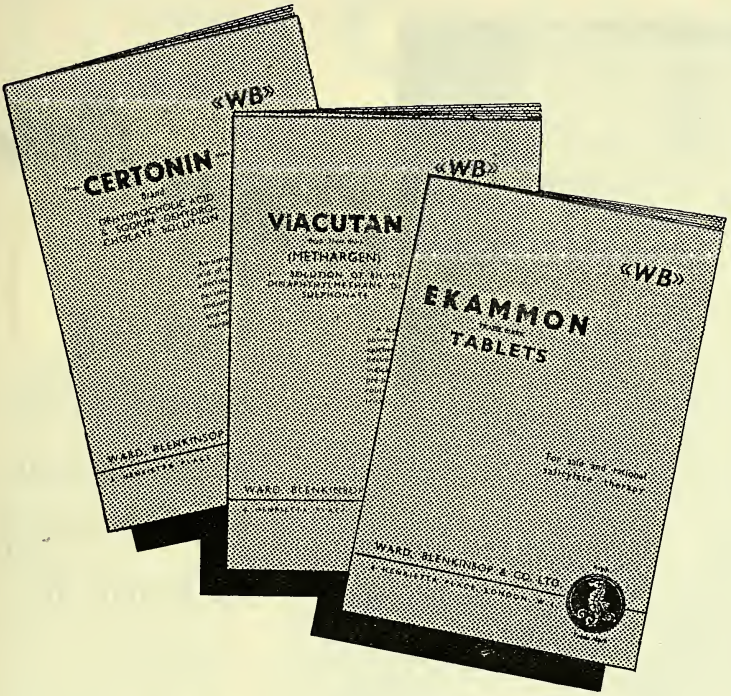

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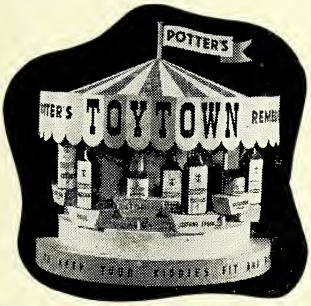

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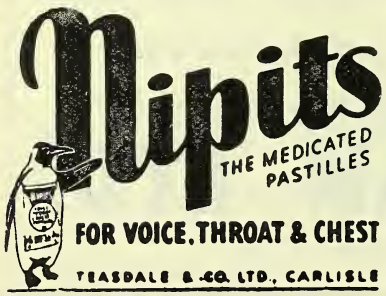

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The Symbol of PERFECT Skin Health

A revolutionary product for the treatment of skin illnesses with unusual penetrative power. Sold under a money-back guarantee of satisfaction. Liquid and cream. Prompt deliveries.

BIO-COLLOIDS, LTD. ALTRINCHAM, CHES.

PATA

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DON'T GET CAUGHT OUT!

SO PULL UP YOUR STOCKS OF BRYLCREEM

Brylcreem is the biggest-selling hair dressing. Make sure *you* cash in on Brylcreem's record sales. Pull up your stocks. There are quick profits for you in Brylcreem's quick sales. Link up with this year's even bigger press and poster advertising. Make Brylcreem a permanent feature of your window and counter display. Write to us for the attractive showcards that will give them punch. Stock it, display it—you'll sell it!

BRYLCREEM

THE PERFECT HAIR DRESSING

County Perfumery Co., Ltd., Honeypot Lane, Stanmore, Middlesex *royds T4*

Introducing

the new 100 tablet packing of

As the existing 500 tablet pack of TAXOL is now a "tax free" dispensing pack and is thus not available to the general public we have decided to introduce a 100 tablet size for those customers who desire a pack larger than the normal standard size of 50 tablets.

P.A.T.A. Trade Prices

50 tablets - - -	25/- per dozen + 8/1 P.T.
100 tablets - - -	46/- per dozen + 14/10 P.T.
500 tablets (Dispensing Size) -	200/- per dozen (tax free)

CONTINENTAL LABORATORIES LTD.

101 GREAT RUSSELL STREET, LONDON, W.C.1

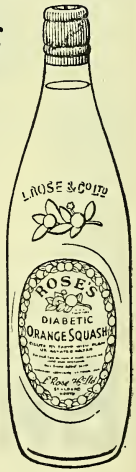
Telephone: Museum 2042-3 **Telegrams: Taxolabs, Phone, London**

NO ADDED SUGAR

Fruit drinks for Diabetics

PLEASANT and refreshing Fruit Juice drinks without added sugar, specially prepared by the makers of Rose's Lime Juice.

3/- PER BOTTLE



ROSE'S

DIABETIC

LEMON AND ORANGE SQUASHES

An Effective Antacid – Alocol Cream

THE recent successful introduction of Alocol Cream provides, with Alocol Powder and Alocol Tablets, three convenient ways of administering Colloidal Aluminium Hydroxide to meet every condition and preference.

Alocol Cream does not separate and can thus be used in an eminently clean, hygienic and pleasant manner. It has a delightful peppermint flavour which is acceptable to everyone.

Equally with Alocol Powder and Tablets, Alocol Cream is a most effective antacid for the neutralization of hyperacidity in the treatment of dyspepsia, peptic ulcer and other conditions which irritate the gastric tract.

Alocol Cream is supplied in bottles of 9, 40 and 80 fl. oz.

On the P.A.T.A.

Retail Prices :

9 oz. - -	3/9
40 oz. - -	15/4
80 oz. - -	27/9

Trade Prices :

9 oz. -	33/9 doz.
40 oz. -	11/6 each
80 oz. -	20/10 each

ALOCOL Cream— like Alocol Powder and Tablets— has these advantages :—

- Owing to its high reactivity it quickly neutralizes excess acidity.
- It has a reserve of neutralizing power and can thus control for a prolonged period the gastric acidity at the level most conducive to healing.
- It does not produce alkalization or a condition of alkalosis.

A. WANDER LTD., 42 Upper Grosvenor Street, Grosvenor Square, London, W.1
Laboratories, Farms and Factory: King's Langley, Herts.

SIDNICK & CO., LTD.
11-12, FINSBURY SQUARE, LONDON, E.C.2.
TELEPHONE: MONARCH 5642/3

There's a GREAT SUMMER DEMAND for 'ASPRO'

YOUR DISPLAY WILL ATTRACT THOUSANDS of 'ASPRO' USERS

When people **know** a product—have tried it and proved for themselves its use and value—they **BUY** it, again and again. Display completes the sale by reminding them just at the right time. For the story of a sale begins outside a shop, wherever advertisements are seen, wherever one member of the public recommends the product to another.

When you display 'ASPRO' you are displaying **a product which is known, used and valued everywhere.** As a result the whole of the possible demand comes your way. 'ASPRO' displays pull more than any others in their class because **'ASPRO' is THE BEST KNOWN OF ALL.** It is a fact that

'ASPRO' HAS THE LARGEST SALE OF ANY SINGLE MEDICINE OF ITS KIND IN THE WORLD

Made in England by
ASPRO LIMITED
TRADING ESTATE.
Slough
Bucks

P.A.T.A.

This Durban factory is ready to serve you

The ban on imported consumer goods into South Africa adds further value to the services offered to manufacturers by

FASSETT & JOHNSON LTD.

This fine factory recently built in Durban offers unrivalled facilities to British manufacturers now denied this valuable market.

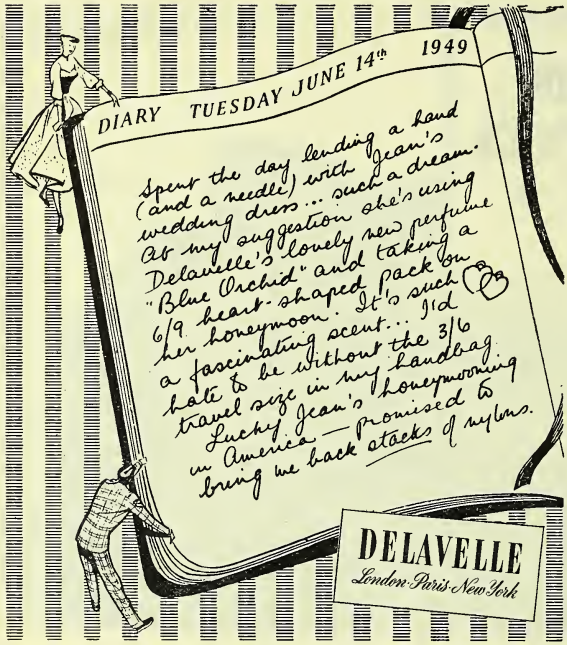
The familiarity with local labour and with sources of raw material that has been built up by FASSETT & JOHNSON over many years of trading in the territory, gives them an experience that is now more than ever valuable to the manufacturer anxious to remain in or to enter this market.

In addition to full facilities for manufacturing British Proprietary products, and toilet preparations, FASSETT & JOHNSON offer, if required, a marketing service covering the Union and the Rhodesias. We invite enquiries which will be treated in confidence.

FASSETT & JOHNSON LTD.,

86, CLERKENWELL ROAD, LONDON, E.C.1. Clerkenwell 2336

Branch Head Office: **FASSETT & JOHNSON LTD., 72/80, SMITH STREET, DURBAN.**
Also at Cape Town; Johannesburg; Port Elizabeth; and Bulawayo, Rhodesia.



This striking persuasive and unusual advertising for Delavelle "Blue Orchid" and "by Candlelight" Perfumes is appearing at fortnightly intervals from now right through to Christmas in national and local papers with a combined readership of 8 million. Designed not merely to make them known, but to SELL Delavelle perfumes, the basic selling theme will be repeated again and again in many new and fresh ways. Don't wait till our representative reaches you .... he may not be due for some time and you will miss profitable sales. WRITE NOW for list and particulars of valuable cash/quantity extra discounts.

DELAVELLE

38/46 ORSMAN RD, LONDON, N.1

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Telegrams: Parfumerie London

MATHAMINTS

Sugar coated, spearmint flavoured, aspirin Chewing Gum tablets

Stock this rapid selling line. Continued advertising in the Magazines, National Daily and Sunday press in addition to the Medical Journals will give you an assured demand.

Supplied in attractive display outers containing two dozen cartons of twelve Mathamints. Price per dozen cartons, 10/6 plus Purchase Tax. Retail, 1/7½ each (including tax).

MATHAMINTS —aspirin chewing gum

are manufactured by :—

WILLIAM MATHER LTD.

Dyer St., Chester Rd., Manchester, 15

(Established for more than a century)

JN 730a

LOSALL'S SALT

NEW SIZE and REDUCED PRICE

SELLING PRICE
(including tax)

4 oz. Tins 1/6

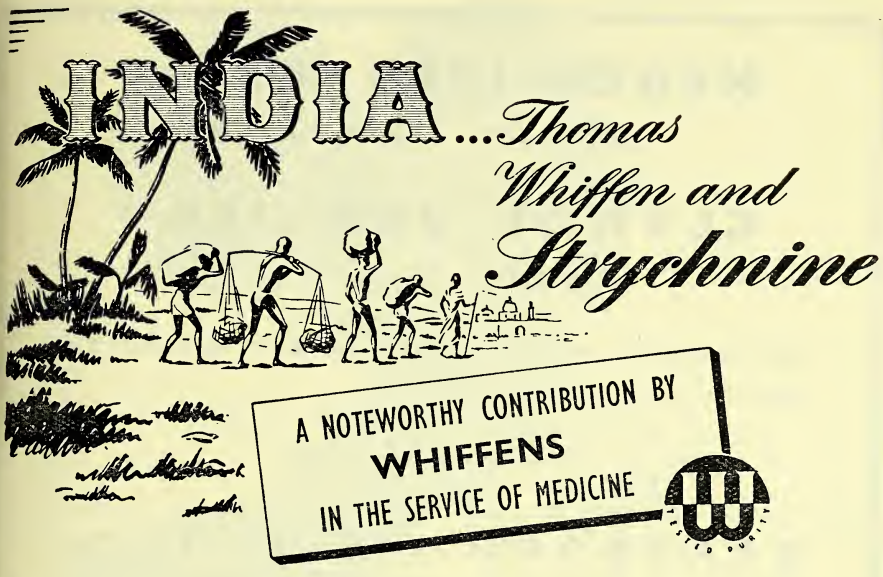
8 oz. Tins 2/6

WHOLESALE PRICE

10/- & 16/6

Doz. + TAX

LOFTHOUSE & SALTMER LIMITED HULL



The advent of Strychnine marked an important juncture in the science of medicine for which we must acknowledge India's part as the main source of supply of various species of Strychnos, chief of which is Nux Vomica.

In 1817, Pelletier and Caventou were the first to isolate Strychnine, but it was not until 1859 in his factory at Battersea, that Thomas Whiffen, working with Jacob Hulle first produced commercial quantities of Strychnine in a pure form free from all other Nux Vomica Alkaloids.

Strychnine is thus one of the oldest of Whiffens' manufactures, having been continuously produced for nearly 90 years and Whiffens are proud to have their name associated with this important pioneering work.

WHIFFENS

Manufacturers of Fine Chemicals for nearly a century

WHIFFEN & SONS LTD (British Chemicals & Biologicals Ltd)

Fulham · London · SW6 · *Tel:* Renown 3416 · *Grams:* Whiffen London

MERCOLIZED WAX
for the complexion

CLYNOL BERRIES
for obesity

SUPPLIES NOW AVAILABLE IN ANY QUANTITY

Please send your enquiries to our Distributors :—

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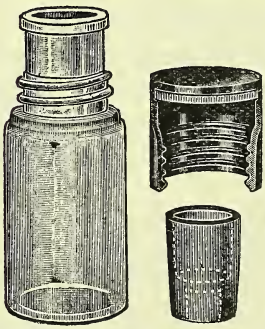
Lavender House, Seymour Road,
Leyton, E.10

DEARBORN (1923) LTD.
"KERN HOUSE," 36/38, KINGSWAY, LONDON, W.C.2

The 'Clinbritic' Vaccine Bottle

Patent No. 492200
MADE IN ALKALI FREE AMBER or WHITE GLASS



Assembly Details.

A Multiple injection "vaccine" bottle which possesses several points of interest and offers a very near approach to the ideal.
No Wiring is necessary, and there is no distortion or bursting of the rubber cap even at pressures up to 50 lbs.
The india rubber vaccine cap, of special design, is protected by a screw bakelite cap, and provision is made for maintaining the sterility of the outside surface of the vaccine cap. No manipulation whatever is required after sterilization.

Samples, Prices and Full details on Request

Completed.

Britton, Malcolm & Company, Ltd.
38 Southwark Bridge Road, London, S.E.1

WHEN FUNGUS IS AFOOT . . .

'Tineafax' brand preparations contain *undecylenic acid*—a new, specific antifungal agent of proved effectiveness in "athlete's foot" and similar dermatophytoses.

'Tineafax' brand Ointment is intended for the treatment of established infection; 'Tineafax' brand Powder as an adjunct to the Ointment and for prophylactic use. Both products are clean and pleasant to use, non-staining and free from objectionable odour. The Ointment is issued in collapsible tubes of 1 oz. (approx.); the Powder in tins of 2 oz. Separate display outers available.

the answer is 'TINEAFAX'

BRAND

COMPOUND UNDECYLENATE OINTMENT AND UNDECYLENATE POWDER

Each product retails at 2s. 6d. plus 7½d. Purchase Tax

BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON

B 106

Smooth Muscle Spasm

TRASENTIN

Registered Trade Mark

is a synthetic antispasmodic reproducing the actions of both atropine and papaverine, but without the side-effects of the former. It is used in all cases of

GASTRO-INTESTINAL SPASM
GENITO-URINARY SPASM

Tablets	*Suppositories*	*Ampoules*
Bottle of 20 at 3/6	Box of 5 at 4/6	Box of 5 at 4/6
Bottle of 100 at 14/6		Box of 20 at 14/3
Bottle of 200 at 27/6	*Retail discount 25%*	Box of 100 at 64/-

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CIBA LABORATORIES LIMITED,
HORSHAM, SUSSEX

Telephone: Horsham 1234 *Telegrams: Cibalabs, Horsham.*

2/48

The
CHEMIST AND DRUGGIST
for RETAILER—WHOLESALER—MANUFACTURER
JULY 2, 1949
Published weekly at 28 Essex Street, Strand, London, W.C.2
Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London."
Single copies 1/- each. Annual subscription, which includes The Chemist and Druggist Diary and Year Book, 30/-

No. 3619 Volume CLII

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NEWS OF THE WEEK

Drug Tariff, May 1949.—Copies of the Drug Tariff for May 1949 are now being forwarded to Executive Councils. The April edition normally prepared for chemists was withheld because of the many amendments necessitated by operation of the National Formulary from May 1. Because of the extensive changes, sufficient copies of the May edition are being sent for issue to all doctors as well as to chemists and surgical appliance suppliers.

Prizes for Pharmaceutical Students.—A new series of annual awards to be known as "The Evans Pharmaceutical Prizes" has been made available to students by Evans Medical Supplies, Ltd., Speke, Liverpool, 19. Books or apparatus to the value of £10 10s. will be awarded to the student adjudged to be the best in pharmaceutics at each teaching institution approved by the Pharmaceutical Society during the final year of the course for the Chemist and Druggist Qualifying examination, or the first post-intermediate year of the course for the Pharmaceutical Chemist Qualifying examination, or the corresponding year of the course for a degree in pharmacy. The company hopes that the first awards will be made this year. Students should apply to their college principal for details.

Return of Dispensing Bottles. — The Ministry of Health has approved the following form of wording for slip labels to be attached to the back of bottles in which National Health Service medicines are dispensed:—

> No charge has been made for this bottle. Please clean and return to your chemist.
> *Authorised by the Ministry of Health.*

The responsibility for supplying the labels rests upon contractors, but the Ministry is prepared, in fulfilment of an undertaking to co-operate, given when the reduced container fee was introduced, to supply a display card drawing attention to the need for returning empty bottles. Publicity is also to be given by the Press and the B.B.C. The National Pharmaceutical

Union points out that, in view of the reduced container allowance, the recovery of a substantial proportion of the bottles issued will become essential.

Students' and Apprentices' Insurance.—The effect of the National Insurance (Contributions) Amendment Regulations, 1949, is that students undergoing full-time education, and full-time unpaid apprentices aged eighteen or over, who do not elect to pay National Insurance contributions currently, are to be allowed to pay them retrospectively at any time within four years from the end of the contribution year in which the education or apprenticeship ends. The regulations came into force on June 28.

Medical and Dental Registers.—The General Medical Council states that the names of the following medical practitioners have been erased from the Medical Register under Section 29 of the Medical Act, 1858:—Ralph Martin Case, M.R.C.S., L.R.C.P., M.B., Ch.B., 71 Gillott Road, Edgbaston, Birmingham; Michael Ansel Wiseman, M.R.C.S., L.R.C.P., 3 Oakfield Road, Didsbury, Manchester. The names of the following dental practitioners have recently been erased from the Dentists Register:—Thomas Alexander Hagyard, 45 Hartley Crescent, Hyde Park, Leeds, 6; Robert Stuart Smith, 143A Alexander Road, Wimbledon, London, S.W.19. The name of the following registered dental practitioner has been restored to the Dentists Register:—Ascott William Harris, 173 Great Colmore Street, Birmingham, 15.

"Colonial Month" in London.—Many cultural and scientific bodies and institutions with headquarters in London are participating by means of special displays in a "Colonial month," the central feature of which is an exhibition, "Focus on Colonial Progress," staged at the exhibition hall of the Central Office of Information, Oxford Street, Marble Arch, W.1. At this exhibition are portrayed life-size models of representative citizens of various colonial territories, and there are displays of works of art by native and British artists. The principal interest for pharmacists centres on films illustrating the attack on disease and malnutrition in colonial areas, on tableaux showing the principal insect pests and the diseases they disseminate or damage they cause, and on a display of British manufactured goods typical of exports to colonial territories. The goods shown include well-known proprietary medicines and insecticides, surgical sundries, etc.

LOCAL NEWS

Catholic Pharmaceutical Guild.—At the annual meeting of the Catholic Pharmaceutical Guild of Great Britain held recently in Edinburgh, the following officers were elected:—*Master General,* Alderman J. E. Jackson, Whitley Bay; *Vice-master,* Miss Gwenneth Jennings, Birmingham; *Secretary-General,* Mr. Matthew Murphy, Manchester; *Treasurer-General,* Mr. Joseph McCabe, Croydon.

Leicester Pricing Resolution.—At a meeting of the Leicester and Leicestershire Branch of the National Pharmaceutical Union recently, a resolution was unanimously passed resenting the action of the Ministry of Health, in connection with recent pricing changes, "in going over the heads of our elected negotiating committee and approaching the contractors individually, contrary to the spirit of co-operation in trade unionism."

Birmingham Annual Meetings.—The annual meetings of the Birmingham Branches of the National Pharmaceutical Union and the Pharmaceutical Society and the Birmingham Pharmaceutical Association were held on May 16 and 17. The officers for 1949-50 are as follows:—N.P.U. Branch: *Chairman,* Mr. G. H. Walker; *Vice-chairman,* Mr. G. Goulding. Society Branch: *Chairman,* Mr. G. H. Walker; *Vice-chairman,* Miss G. M. Byron. Association: *President,* Mr. G. H. Walker; *Vice-presidents,* Miss G. M. Byron and Messrs. C. McArdle and F. W. Wardle. Mr. D. J. Rushton, 1088 Stratford Road, Birmingham, 28, is *Secretary* of the three organisations.

Works Outings.—A party of employees of W. B. Cartwright, Ltd., Rawdon, Leeds, visited Skegness on June 18; another party visited Bridlington on June 19. Other visits are being planned to Nottingham Goose Fair and to Blackpool for the illuminations.—The employees of Kaylene, Ltd., were the guests of the board on June 11 on an outing to Clacton-on-Sea. After lunch, Mr. W. L. Collins, on behalf of the employees, proposed "The Board," and the managing director (Sir William Arbuthnot Lane), replied.—Employees of Westminster Laboratories, Ltd., are to go on an outing to Margate on July 9.—C. R. Harker, Stagg & Morgan, Ltd., Emmott Street, Mile End, London, E.1, held a staff outing to Margate on June 25.

Sports Club Golden Jubilee.—About 3,000 employees of Burroughs Wellcome & Co. and friends were present at the Golden Jubilee celebrations of the Wellcome Sports and Social Club, held, in perfect weather, in the Club's spacious grounds at Dartford, Kent, on June 25. The celebrations, which were opened by Mr. H. E. Sier (chairman of The Wellcome Foundation, Ltd.), included a sports programme; the selection of "Miss Wellcome, 1949" (the judge being Mr. Ted Kavanagh, a B.B.C. script writer and former employee of the company); exhibitions of trick motor-cycling and cycle polo; a concert (featuring Jack Train), dancing on the lawn, and fireworks. Among other functions were a fashion show, a photographic exhibition (which included a competition and photographs of the activities of the dramatic, chess, and other sections of the Club), and a passenger-carrying model-railway. Copies of an eight-page illustrated folder describing the history of the Club were presented to visitors.

Golf.—The London Chemists' Golfing Society played at Sudbury on June 9 for a prize presented by the president (Mr. D. T. Jones). The leading scores were:—Mr. E. G. Smith (4), 67 (winner); Mr. W. G. Carter (14), 70, Mr. E. S. Hole (8), 71; Mr. R. Poole (8), 74; Mr. L. W. Lester (17), 76; Mr. Ray Carter (2), 77; Mr. J. E. Betteridge (16), 77; Mr. F. E. Lever (17), 77. In a bogey competition for the Mentholatum silver tankard Mr. Smith achieved a return of five up but as no competitor may take two prizes at the same meeting, the tankard was awarded to Mr. W. G. Carter (14), Northwood, with a return of one up. The leading scores were:—Mr. W. G. Carter, one up; Mr. E. S. Hole, all square; Mr. Ray Carter, all square; Mr. R. Poole, all square; Mr. L. W. Lester, two down. In the annual competition for the Thomson cup held at Godalming on June 19, the leading scores were:—Mr. L. J. Morson (13), 77 net (winner); Mr. J. Usher (11), 79; Mr. F. G. Wells (16), 79; Mr. J. A. Mackenzie (18), 79. A Stapleford competition for a prize presented by the Society was won by Mr. J. Usher with 32 points. In ladies' competitions a prize presented for a medal round by the captain (Mr. F. G. Wells) was won by Mrs. J. A. Mackenzie (15), 70 net, and a mixed foursomes for a prize presented by Mr. L. J. Morson was won by Mesdames Usher and J. A. Mackenzie.

IRISH NEWS

Dublin Students' Dance.—A dance held by the Irish Pharmaceutical Students' Association recently in Dublin resulted in a satisfactory addition to the student body's funds.

Pharmacy Students' Football.—The Dublin College of Pharmacy's Gaelic Athletic Association Club recently defeated a team from the Royal College of Surgeons by three points. Having finished well up in the Dublin senior league table, the students' team is assured of maintaining its status next season. The annual social of the club was held recently in conjunction with the College Camogie Club.

Chemists' Golf at Craigavad.—The members of the Irish Chemists' Golfing Society were the guests of the Ulster Chemists' Golfing Society at the Royal Belfast Club, Craigavad, on June 22 when the annual competition for The British Drug Houses cup was won by the Northern Ireland team. The best cards for the Ulster Society were returned by Messrs. J. H. McCay and Norman Hogg, and for the visitors by Messrs. J. P. Holland and W. P. Mullan. A stroke competition was won by Messrs. J. Jennings and R. Quiery. The British Drug Houses cup was presented by Mr. J. R. Guiler to Mr. Alex Steede (captain of the Ulster Society), who afterwards proposed the toast of the "Irish Society," to which Mr. J. Smyth (captain) responded. A vote of thanks was conveyed to The British Drug Houses, Ltd., on the motion of Messrs. E. Allen and J. Savage.

OVERSEAS NEWS

Scandinavian Students' Conference.—The ninth conference of the Scandinavian Pharmaceutical Students' Association, held recently in Copenhagen, was attended by more than 300 students from six countries. During the conference the delegates took part in a torchlight procession held to celebrate the 100th anniversary of the Danish Constitution. Visits were arranged to a school of pharmacy, the State Serum Institute (where B.C.G. vaccine is prepared) and, as many Danish pharmacists take up brewing after qualification, to a brewery. At the conference dinner the guests included Dr. E. Höst Madsen (president, International Pharmaceutical Federation) and Mr. S. J. Relph (general secretary, British Pharmaceutical Students' Association).

LEGAL REPORTS

" Open Shop " Without Qualified Man. —At Falcarragh, co. Donegal, court recently, Joseph McQuaid, Falcarragh, was fined £5 each on charges (a) of keeping open shop for the retailing or dispensing of medical prescriptions when not qualified to do so, without (b) having a qualified chemist on the premises. McQuaid said that since July 1948 he had employed three chemists at different times; at present he was employing a registered druggist.

Deficient Mixture. — At Liverpool, on June 22, James Hart (Chemists), Ltd., Newport Street, Bolton, Lancs, were fined £15 for selling compound aspirin mixture, B.P.C., deficient in acetylsalicylic acid, and for giving with it a label that falsely described the mixture. A summons against the Garston and District Co-operative Society, Ltd., for selling the mixture was dismissed. The Society contended that it had been given a warranty by the suppliers of the mixture and that the warranty had not been fulfilled. The sample in respect of which the summons was issued was found to contain not more than 2 per cent. of acetylsalicylic acid instead of 3.43 per cent. For Messrs. Hart it was stated that the mixture contained the required percentage of acid when made in September 1948. When it was found that the mixture would deteriorate in storage over a period, supplies that had been sent to thirty-five retailers in Lancashire had been withdrawn, but the Garston Co-operative Society and another firm were not among those who had been approached.

Patient-doctor Dispute Settled. — A settlement (the terms of which are not disclosed) has been intimated in an action that was down for trial in the Court of Session, Edinburgh, on July 5, and in which Jean Kerr Crawford, Graystone Lea, Lundin Links, sued Angus Campbell, medical practitioner, 48 Manor Place, Edinburgh, for £5,000 reparation, alleging that he failed in the duty he owed to her as his patient. The pursuer said that, after examination by a surgeon whom she consulted about a pain in the small of her back, *x*-ray films of her spine were taken by or on behalf of the defender; and that, after considering the *x*-ray film so taken, the surgeon advised her to have short-wave diathermy treatment, arranging with the defender to give the treatment. She attended at an Edinburgh hospital and treatment was given by a lady assistant of the defender, but the treatment given was, said the pursuer, *x*-ray therapy of high dosage, instead of the short-wave diathermy treatment advised. As a result, she claimed, her health, physical and mental, had been seriously affected. The defender maintained that the pursuer had been given the treatment, namely, *x*-ray therapy, requested by her surgeon, and that in any event *x*-ray therapy was an appropriate treatment for the pursuer's condition.

THE WEEK IN PARLIAMENT

Sir Ian Fraser asked the Chancellor of the Exchequer on June 21 if he would introduce an incentive to dollar earning by permitting United Kingdom taxpayers to retain the whole sterling equivalent of their dollar earnings tax-free. " No," replied Sir Stafford Cripps. Extending his answer in reply to a supplementary question, the Chancellor said that the matter had been studied on many occasions and it was quite impracticable to prefer one trader to another in that way.

Tenancy Legislation

Mr. B. Janner asked the Attorney General on June 21 if he was aware that it was gravely urgent to protect large numbers of tenants of business premises who were threatened with eviction on the termination of their tenancies, and whether, in view of that and of the interim report of the Leasehold Committee, he would immediately introduce legislation for dealing with this position. Sir Hartley Shawcross replied that he was aware of the view of the Leasehold Committee on the question, and anticipated that a statement would be made shortly.

Analgesia in Childbirth

In the committee stage of the Analgesia in Childbirth Bill in the House of Commons on June 28, Mr. J. J. Robertson (Under-secretary of State for Scotland) said the Minister of Health and the Secretary of State for Scotland proposed, in committee on the National Health (Amendment) Bill, to accept in principle the view that the Ministry of Health had power to impose on local authorities the responsibility for providing analgesia equipment and the training of midwives in the use of analgesia.

TOPICAL REFLECTIONS

N.H.S. Finance

In a valuable series of articles (*C. & D.*, June 25, pp. 844-52), the first twelve months' working of the National Health Service has been reviewed. There is general agreement among your contributors that the financial aspect of the scheme is the least satisfactory. Special importance therefore attaches to the remarks of Mr. G. H. M. Graham and to your abstract of the seventh report from the Select Committee on Estimates. That the service is costing more than the nation can afford is clear. That panel chemists are no better paid, *mutatis mutandis,* than under the National Health Insurance administration is equally clear. It follows that any further cut like the one recently made in the container allowance would be inequitable and should be strenuously resisted. The Select Committee on Estimates rightly attributes part of the high cost of the service to "patients taking the fullest advantage . . . to obtain such things as bandages and aspirin without payment." Further, the chairman of an Executive Council is reported as stating that items formerly regarded as food rather than as medicine have been supplied on prescription. A change of policy in such matters should be effected. Since your last-preceding issue appeared, forcibly worded resolutions have been passed at the annual representative meeting of the British Medical Association. One of these resolutions dealt with arbitration; another alleged indifference, procrastination and breach of faith on the part of the Government authorities.

A Useful Reprint

A copy of a *C. & D.* reprint entitled "The Fitting of Trusses and Elastic Hosiery" has reached me. The convenient size of this booklet (8 in. by 5½ in.) enhances the value of its contents. The treatment of the subject is very thorough, and includes directions for measuring for renewals of colostomy belts. It confirms my suspicion, founded on experience, that some pharmacists have been too casual in measuring customers for trusses. Laxity has, in fact, been encouraged or even induced by the attitude of unthinking customers. Occasionally a customer other than the patient has turned up with the story that he is the same size round as his friend, who can accordingly be measured by proxy. The author of your booklet shows how serious the results of a less than careful examination of each patient may be. A short treatise of this kind gains considerably by appropriate illustrations; these are a useful feature of your reprint. Even so apparently simple a task as measuring for elastic hosiery needs an exact knowledge of the data required by manufacturers of this class of goods; in its absence, discomfort to a customer may result. A study of the rules given for fitting trusses and of the comparison of steel and elastic trusses should go far to prepare beginners in this work for what they have to do. They have clearly been drawn up by a fitter whose knowledge is more than merely theoretical.

The Sydenham Societies

A mention of the Sydenham Society in a recent article by "Kalamos" (*C. & D.*, June 18, p. 815) is a reminder of the little that is generally known of this body and its successor the New Sydenham Society. In the final publication of the latter society Sir Jonathan Hutchinson, F.R.S., made a brief reference to the original society and gave a more detailed account of the other. The first-named was founded in 1843, with the principal object of publishing important medical works not easily accessible. These publications extended over about twelve years; eventually it was decided, on account of diminishing income, to wind the Society up. A few of the members who were not in agreement with this decision took steps to form what was named the New Sydenham Society, and established it in 1859. The generality of its books, monographs and atlases are not of much interest to pharmacists; but its Lexicon of Medicine and the Allied Sciences, which appeared in twenty-five parts between 1879 and 1899 under the editorship of Henry Power, M.B., and Leonard W. Sedgwick, M.D., contains several definitions of drugs now obsolete. Compilation took longer than was expected and was a serious drain on the Society's funds; this difficulty caused a good deal of curtailment in the last few parts of the work. It may be worth while for a competent committee to be appointed to examine the possibility of revision and reissue. In 1907 members were invited to express their views on the desirability of continuing the Society: more than 70 per cent. voted in the negative, and in 1910 the Council made arrangements accordingly. ***Xrayser***

NEW COMPANIES

JOHN DRURY & CO., LTD. (P.C.)—Capital £20,000. To acquire the business of a soap and glycerin manufacturer, now carried on by Frank Drury at River Street, Brighouse, as J. Drury & Co. Frank Drury and Betty A. Drury, directors. R.O.: 28 River Street, Brighouse, Yorks.

GLYN GRIFFITHS, LTD. (P.C.)—Capital £2,500. To acquire the business of chemists and druggists carried on by D. C. Prance, Ltd., at 86 Woodfield Street, Morriston, Swansea. Glyn Griffiths and Winifred M. R. Griffiths, directors. R.O.: 84 Sketty Road, Sketty, Swansea.

ROSS CHEMISTS (BRIGHTON), LTD. (P.C.).—Capital £3,000. To carry on the business of manufacturing and dispensing chemists and druggists, opticians, etc. Donald M. Reed, M.P.S., and David Ross, directors. R.O.: 27 North Road, Brighton, Sussex.

ALKIN, LTD. (P.C.). — Capital £2,000. To carry on the business of manufacturers of, and dealers in, chemical plant and materials and surgical, photographic, hospital, laboratory and scientific furniture, chemists, druggists, etc. John E. W. Alderson and Thomas Kinahan, directors. R.O.: 276 Manchester Street, Oldham.

Company News

BRITISH CHEMICALS & BIOLOGICALS, LTD. —Mr. R. E. B. Benger has been appointed a director in place of Mr. R. B. Benger, who has resigned.

STEMCO LTD.—Mr. B. T. W. Burgess has been elected chairman of the board, Mr. S. Collier has been appointed managing director, and Messrs. E. S. Stock and A. R. Speller have been elected directors. Messrs. D. C. James, R. W. Mogford and D. A. Shepard retire from the board under rearrangements.

TAYLORS (CASH CHEMISTS) TRUST, LTD.—Profit for the period to January 1, after taxation, etc., £45,206, against £51,952 for the year ended December 27, 1947; £23,081 brought in; cumulative preference dividend, £14,520. Directors recommend a dividend of 9.3 per cent., less tax, on preferred ordinary shares (£22,500), and of 11.36 per cent., less tax, on deferred ordinary shares (£7,500); £38,287 is carried forward.

TAYLORS DRUG CO., LTD.—Profit for the period to January 1, after taxation, etc., £93,926, against £81,735 for year ended December 27, 1947. The sum of £7,484 is added, being reserves and provisions of former years no longer required and £15,659 is brought forward, making an available balance of £117,069. £20,000 is deducted for reserve against fall in values of stock-in-trade, and £40,000 is transferred to general reserve; dividend on cumulative preference shares, less tax £11,000, leaving a balance of £46,069. Directors recommend an ordinary dividend of 10 per cent. (£30,000), free of tax; £16,069 is carried forward.

TAYLORS (CASH CHEMISTS) MIDLAND LTD.—Profit for the period to January 1 after taxation, etc., £53,700, against £59,500 for year ended December 27 1947. The sum of £4,323 is added (provision of former years no longer required) and £21,556 is brought forward, making an available balance of £79,579. £20,000 is deducted for reserve against fall in values of stock-in-trade, and £9,000 is transferred to general reserve; dividend on cumulative preference shares, less tax £4,764, leaving a balance of £45,815. Directors recommend an ordinary dividend of 12½ per cent. (£3,438), less income tax and a dividend of 1s. per share, free of tax, on deferred ordinary shares (£20,000); £22,377 is carried forward.

TAYLORS (CASH CHEMISTS) LONDON LTD.—Profit for period ended January 1 after taxation, etc., £83,225, against £79,050 for year ended December 27 1947. The sum of £2,731 is added (provision of former years no longer required) and £32,454 is added, being revenue reserves on liquidation of subsidiaries; £27,250 is brought forward. The sum of £2,050 is deducted for interest on funding certificates, less tax; reserve against fall in values of stock-in-trade, £20,000; to general reserve, £10,000; cumulative preference dividends, £12,375. Directors recommend dividend on preferred ordinary shares of 12 per cent., less tax, £24,750, and on deferred ordinary shares of 13.33 per cent., less tax, £8,250; £68,235 is carried forward.

PHARMACEUTICAL & ALLIED CHEMICALS DISPOSALS ASSOCIATION, LTD.—This company, which was formed in 1945 for the purpose of disposing of Government surplus stores of pharmaceutical products, has now been wound up.

MARRIAGES

DOWNEY—PEEBLES.—At Sligo, on June 22, George Harold Downey, M.P.S.N.I., Clogher, co. Tyrone, Northern Ireland, to Valerie Claire Peebles, Sligo.

JENNINGS—JENNINGS. — At Galway, recently, Gerald B. Jennings, Ballinasloe, co. Galway, to Rita Jennings, M.P.S.I., Belcarra, co. Mayo.

MCNAUGHTON—FAIRLEY.—At Edinburgh, on June 22, Stewart David McNaughton, 21 Bryce Avenue, Edinburgh, to Mary Elizabeth Fairley, M.P.S., 122 Bruntsfield Place, Edinburgh.

DEATHS

TAIT.—In an Edinburgh nursing-home, on June 25, Mr. Joseph Gillison Tait, M.R.C.S., L.R.C.P., D.P.H., F.R.S.E., Ph.C. Dr. Tait was resident secretary in Scotland of the Pharmaceutical Society of Great Britain from 1936 until July 31, 1948. At his last attendance at a Council meeting in London, Dr. Tait was presented with a gold watch in appreciation of his services to the Society in Scotland. Dr. Tait qualified in 1900 and passed the Pharmaceutical Chemist examination in 1905, in which year he gained also the medal for advanced organic chemistry of the Heriot-Watt College, Edinburgh. After experience in retail pharmacy, at the Edinburgh Royal Dispensary, and in the Edinburgh office of the Society, he studied for and in 1922 secured the Conjoint medical qualification. The following year he gained the Edinburgh Diploma in Public Health. For some years prior to becoming resident secretary in Scotland, Dr. Tait was in medical practice, at the same time acting as assistant secretary to the Society during the secretaryship of the late Mr. John Rutherford Hill. He served with the Society for a total of fifty-seven years. He represented pharmacy for a time on the Consultative Council of Medical and Allied Services, Department of Health for Scotland, and was secretary of the Pharmaceutical Standing Committee (Scotland). In 1946 he was elected a Fellow of the Royal Society of Edinburgh. Dr. Tait was a well-known member of the Pen and Pencil Club, Edinburgh. He possessed a baritone voice of excellent quality which will be remembered by concert-goers of an earlier generation. The funeral service was held at Mayfield South Church, Edinburgh, on June 29, the procession going thereafter to Newington Cemetery.

HUGILL.—At Exmouth, on June 14, Mr. John Howden Hugill, formerly chairman and managing director of Meggeson & Co., Ltd., Bermondsey, London, S.E.16, aged ninety-four. Mr. Hugill qualified as a chemist and druggist in 1877 and passed the Pharmaceutical Chemist examination in 1878. Mr. Hugill's father, the late Mr. John Hugill, became a partner of John Meggeson in 1848, retiring in 1893. The business was then converted into a limited company, and Mr. John H. Hugill, and his brother, Mr. E. A. Hugill, become directors. Mr. John H. Hugill retired in 1918.

METCALFE.—On June 14, Mrs. Margaret Metcalfe (née Twigg), M.P.S., 912 Spring Bank West, Hull. Mrs. Metcalfe qualified in 1920.

WALKER.—At Hyndhurst, Jedburgh, Roxburghs, on June 22, Mr. Hartley Walker, M.P.S., The Dispensary, 4 High Street, Jedburgh. Mr. Walker qualified in 1920.

WOLFENDALE.—On June 22, Mr. J. A. Wolfendale, a director of Wigglesworth, Ltd., manufacturing chemists, Westhoughton, Lancs. Mr. Wolfendale held the position of secretary from the date of incorporation as a company until 1945, when he was appointed a director.

WILLS

MR. W. A. TOWNSEND, retired pharmacist, 35 Wolsey Road, East Molesey, Surrey, formerly of High Street, Westbury-on-Trym, Bristol, left £5,692 (£5,620 net).

MR. C. J. JORDAN, M.P.S., 56 Old Tiverton Road, Exeter, Devon, late manager of the manufacturing laboratories of Evans, Gadd & Co., Ltd., Exeter, left £6,677 (£6,641 net).

MR. T. GUTHRIE, M.P.S., 20 Churchill Drive, Glasgow, formerly of 204 Glasgow Road, Clydebank, a former president of the Pharmaceutical Society, left personal estate in England and Scotland valued at £55,521.

PERSONALITIES

Mr. Donald McCullough, has been appointed public relations adviser to the Federation of British Industries.

Mr. D. A. Bryan, M.P.S., Penmaenmawr, Carnarvons, has retired from the Penmaenmawr town council after thirty years' continuous service. During that period he was chairman four times.

Mr. Anthony Redman, M.P.S., addressed the Vauxhall (London) Branch of the Young Conservatives (of which he is chairman), recently, on his work as a pharmacist.

Professor R. Signer, Ph.D. (head of the Institute for General and Special Organic Chemistry at Berne University, Switzerland) has been awarded the Lavoisier Medal of the French Chemical Society.

Mr. C. J. Rose (advertising manager, Scott & Bowne, Ltd.) was one of the speakers at the annual conference at Buxton, May 28.-June 1, of the Advertising Association, of which he is a vice-president.

Mr. Hugh P. Corrigan, M.P.S.I. (a council member of the Pharmaceutical Society of Ireland), won the bass solo competition at the Dublin Feis Ceoil recently in a field of twelve entries. He had a similar success at the Sligo Feis.

Dr. T. A. Lloyd Davies (chief medical officer, Boots Pure Drug Co., Ltd.), has been appointed to a committee set up by the Government to advise on the relationship between industrial health services and the National Health Service.

The Council of the Royal Society has nominated Sir Robert Robinson, Dr. L. A. Jordan, and Professors G. F. Marrian, H. W. Melville, and A. R. Todd, delegates to the International Union of Chemistry, which is meeting in Amsterdam from September 6 to 10.

Professor Sir Alfred Egerton, F.R.S. (head of the department of chemical engineering and applied chemistry, Imperial College of Science and Technology, London), has been appointed Director of the Salters' Institute of Industrial Chemistry in succession to the late Sir Robert Robertson, F.R.S.

Mr. Leslie Gamage (vice-chairman and joint managing director of the General Electric Co., Ltd.) has been elected president of the Institute of Export for the seventh year in succession. He has also been elected chairman of the overseas standards advisory committee of the British Standards Institution.

Sir John Simonsen (Director of Research, Colonial Products Research Council) has been selected by the American Chemical Society as first recipient of the Fritzsche award for "outstanding achievement in analysis, research and new applications of essential oils, essential oil isolates, and related chemicals." The award (a gold medal and $1,000) will be presented at the Autumn meeting of the Society.

Mr. A. E. Lemon, M.P.S., who has been elected chairman of the Bristol Branch of the Pharmaceutical Society, has been since 1940 depôt manager and representative of Evans Medical Supplies, Ltd., in Bristol. Mr. Lemon qualified in 1929 after being apprenticed with the late Mr. A. W. Ryder, Rochester. Before joining the company in June 1939, he gained experience in the West End of London, Kent, and Hampshire.

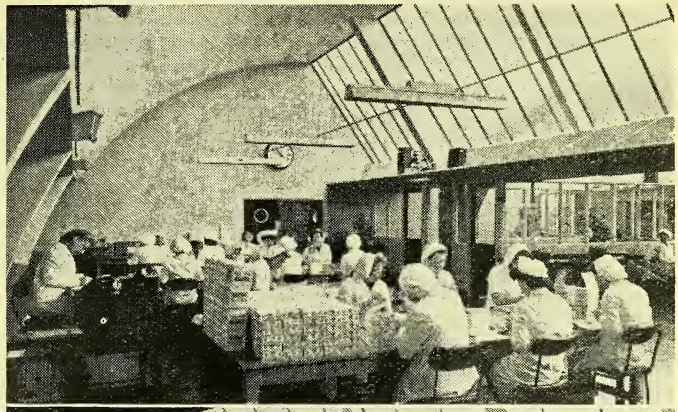
Mr. G. A. Findlay, a director and general sales manager of the North British Rubber Co., Ltd., Edinburgh, retired on June 30 after fifty-three years' continuous service with the company. Entering the company's invoice department in 1896, he quickly showed an aptitude for financial matters, and progressed steadily to cashier, assistant secretary, secretary and general sales manager. In 1945 he was appointed a director while still retaining his position as general sales manager. A keen sportsman, he is particularly interested in golf.

Mr. W. E. Shepherd, M.P.S., the new president of Liverpool Chemists' Association, is chairman of Bootle Executive Council Finance and General Purposes Committee and has been secretary of Bootle Pharmaceutical Committee since 1932. He was secretary of the Liverpool Chemists' Association for nine years, and its vice-president for four years. Educated at Bradford Grammar School, Mr. Shepherd served his apprenticeship with his father (Mr. H. W. Shepherd, M.P.S.), at Bradford, and qualified from Liverpool School of Pharmacy in 1922. After working as locum, etc., he acquired his own business in Bootle, to which he added that of his father ("The Old Pharmacy," established 1859) on the latter's retirement in 1931.

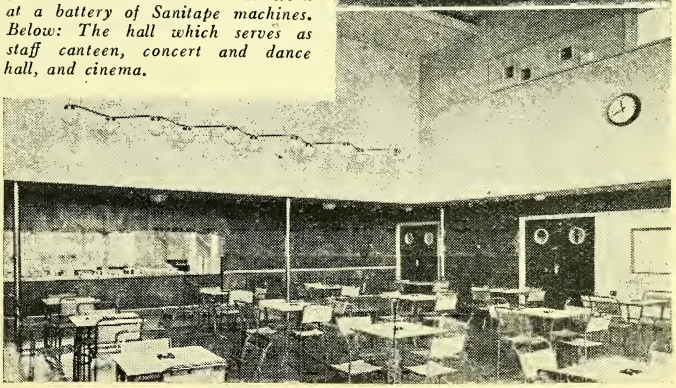
A NEW DUBLIN FACTORY

A FACTORY recently opened at Inchicore, Dublin, by Aspro (Ireland), Ltd. (see *C. & D.*, June 11, p. 764), cost about £100,000, and covers an area of 10,000 sq. ft. The two main wings fan out from a central tower. One wing, on its second storey, houses executive offices and boardroom, and a welfare department that provides for the medical treatment of employees and their families under a non-contributory scheme financed by the company. The other wing contains a hall that serves as canteen, concert hall and cinema, with a kitchen attached. The production section of the factory has barrel - vault roofing which reduces to a minimum the number of columns in the working area and provides diffused north lighting.

The factory is so planned that the raw materials come in at one end, pass through their various processes of manufacture and packing, and emerge at the dispatch department at the opposite end, all operations being carried out under cover. There are about 100 employees. The packing of the tablets is carried out by the Ivers - Lee Packing Service.



Top: A view of the packaging department. Centre: Girls at work at a battery of Sanitape machines. Below: The hall which serves as staff canteen, concert and dance hall, and cinema.



TRADE NOTES

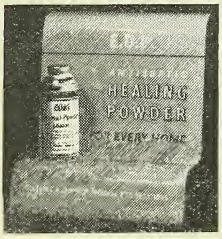
Pakistan Crude Drugs. — Rushbrooks (Pakistan), Ltd., Post Box 1182, Karachi, 2, Pakistan, offer to supply gums, resins and beeswax produced in Pakistan.

Dispensing Pack.—Thompson & Capper Wholesale, Ltd., Speke Hall Road, Liverpool, 19, announce that a dispensing pack of Varicones remedy for piles is available. The pack contains 144 suppositories.

Competition Closing Date.—The Collapsible Tube Manufacturers' Association gives a reminder that the closing date for receiving entries in its £200 prize competition (see *C. & D.*, May 21, p. 667) is July 15.

Hair Beauty Aids.—Sales Affiliates, Ltd., manufacturers of the Jamal permanent-waving system, Boreham Wood, Herts, have put on the market a range of hair beauty aids under the general title of Jamallure. The range includes hair-conditioning cream, soapless shampoo in three sizes, shampoo cream, and rarified brilliantine in two sizes.

Addition to Range.—The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, have added a new strength (10 mgm. in 1 mil) to the range of solutions of deoxycortone acetate, B.D.H. The solution is issued in boxes of three, twelve and fifty 1-mil ampoules and in vials of 10 mils.



Showstand. — Specimens of a new showstand available for Evans dermal powder are available on request from the Home Sales Department of Evans Medical Supplies, Ltd., Speke, Liverpool, 19 and 50 Bartholomew Close, London, E.C.1.

Rust Remover.—Jenolite, Ltd., 43 Piazza Chambers, Covent Garden, London, W.C.2, are manufacturers of Jenolite, a water-miscible solution for the removal of rust from iron and steel; scale caused by welding, etc.; and all forms of oxidation from non-ferrous metals. The product is claimed not to attack the metal during the process, not to "build up," and not to leave any harmful salts or coating on the metal surface that could cause further action after the articles have been painted or plated.

100-tablet Pack. — Continental Laboratories, Ltd., 101 Great Russell Street, London, W.C.1, have introduced a 100-tablet pack of Taxol tablets. Prices of this and of the 50- and 500-tablet packs are given on another page of this issue. Subscribers are asked to note that incorrect prices were given in an earlier announcement.

Allergen Test Outfit.—Duncan, Flockhart & Co., Edinburgh and London, issue an allergen test outfit as illustrated, comprising 2 cc. bottle of control solution and thirteen 2 cc. bottles of test solutions, for use by scarification, etc.,

as follows: Grass, tree and flower pollens (two groups of each), animal emanations (hairs, horse dandruff, etc.), mixed cereals, mixed fish and shellfish, mixed fruits, mixed meats, mixed milk and eggs and mixed vegetables. Individual test solutions are also available of many fruit, vegetable and food proteins.

Tax-free Pack Not Possible. — Pharmax, Ltd., Organ Works, Old Hill, Chislehurst, Kent, state that the Customs authorities have ruled that piperazine citrate and tartrate are compounds of "specified substances" and not themselves specified in the official publications. For that reason they are unable to issue a dispensing pack of Diuromil.

Price Changes.—British Chemicals & Biologicals, Ltd., 43 Regent Street, Loughborough, Leics, announce an alteration in the price of Fissan toilet powder.—The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, have re-

duced the prices of ampoules of Mersalyl, B.D.H.—St. Andrew Mills, Ltd., Walthamstow, London, E.17, give details on another page of new reduced prices for Stanex and Andrex toilet tissues and Stanex paper handkerchiefs made possible by increased supplies of the raw materials used in their making.

Diagnosis of Pregnancy.—The Family Planning Association, Great Britain, has established a pregnancy diagnosis laboratory, at which tests are carried out for each patient on a specimen of urine supplied. The result is normally available within twenty-four hours of the receipt of the specimen in the laboratory. In the London area the result can be communicated by telephone. A discount is allowed to pharmacists on the price payable by members of the public. Details may be obtained at the Association at 64 Sloane Street, London, S.W.1.

Protection of Plant Against Chemicals.—Semtex, Ltd., London N.W.3 (a subsidiary of Dunlop Rubber Co., Ltd.), manufacture specialised materials for and offer service in the protective treatment of structures and plant. For example, brickwork jointed with Semtex latex/cement has been used with complete success in sulphuric acid and chemical plants, and under most conditions met with in the chemical industry. The material is immune from alkaline attack and is able to withstand alternating acid and alkali attack, while its remarkable quality of adhesion to metal makes it an ideal lining for tanks and containers. Many miles of stoneware pipework have been jointed with the material, the slight flexibility of which minimises the danger of leakage at pipe joints. Semtex plastic cement, another product of the company, is based on phenolic resins and will, when once set, withstand severe attack by strong mineral acids. Semtex silicate cement is not alkali-resistant, but, generally speaking, the stronger the acid in contact with it, the better the resistance the material provides.

New Products.—Allen & Hanburys, Ltd., Bethnal Green, London, E.2, have introduced an injection solution containing BAL (2:3 dimercaptopropanol) in an oily vehicle. BAL, which was introduced as an antidote to arsenical war gas, was subsequently found of value in treating toxic conditions caused by heavy metal poisoning. The preparation is available in 2-c.c. ampoules in boxes of six, twelve and 100. Messrs. Allen & Hanburys have also introduced gelatin sponge, A. & H., which is described as "the ideal hæmostatic for all forms of bleeding which cannot be dealt with by ligature." The product is a dry, sterile gelatin sponge or foam, cut into pieces of convenient size. The standard (No. 1) piece measures 6 x 2 x 0.7 cm. Each piece of gelatin sponge is packed in an individual glass tube for issue as a separate sterile unit, in boxes of six tubes.—The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, have introduced methionine, B.D.H., in bottles of fifty and 250 0.25-gm. tablets. Methionine provides the methyl groups necessary for converting glycocyamine into creatine (the phosphate carrier of phosphagen) as well as for the conversion of ethanolamine into choline. The normal daily requirement of methionine for an adult is estimated to be 2 to 5 gm. —Roussel Laboratories, Ltd., 95 Great Portland Street, London, W.1, have introduced Zoo-Sterogyl (Roussel) for veterinary use. The aim of the preparation is to stimulate intense growth, from the first weeks *in utero* until maturity, in pigs, horses, cattle and dogs, and thus to ensure rapid gain in weight, prevent bone defects, etc. The new product is available in two strengths, Zoo-Sterogyl-15 (15-mgm. vitamin D_2) and Zoo-Sterogyl-210 (210-mgm. vitamin D_2). The former is available in aqueous-alcoholic solution in cartons of one ampoule or boxes of three, six and twelve ampoules, and as an oily solution in boxes of one, two, four and ten ampoules; the 210-mgm. strength is in aqueous-alcoholic solution in 15-c.c. bottles.

BUSINESS CHANGES

The National Association of Opticians has removed to 8 Victoria Street, Liverpool, 2 (Telephone: Central 5331-32).

Burslem and District Co-operative Chemists, Ltd., are shortly to open a pharmacy at Portland Street, Penkhull, Staffs.

Chas. Zimmerman & Co., Ltd., Dega Works, Walmgate Road, Perivale, point out that their only telephone number is now Perivale 9121.

Mr. Arthur Allshire, M.P.S.I., has taken over the proprietorship of the pharmacy at Cremore, Glasnevin, Dublin, previously carried on as a branch pharmacy by his father.

ANNUAL MEETING OF SCOTTISH DEPARTMENT

THE annual meeting of members of the Pharmaceutical Society resident in Scotland was held in Edinburgh, on June 15, Mr. C. G. Drummond in the chair.

The results of the election to the Executive were announced. The votes received by the unsuccessful candidates were as follows (for successful candidates, see *C. & D.*, June 25, p. 835):—

COWIE, R. J., Aberdeen	210
PARK, W. A., Aberdeen	210
THOMAS, H. T., Kelso	209
WILLIAMSON, J. M., Glasgow ...	190
FARQUHAR, J., Aberdeen	184
ANDERSON, J. M., Dundee ...	168
TULLOCH, Mrs. E. F., Thornliebank ...	161
STEWART, G. M. C., Glasgow ...	158
LAING, Mrs. J. M., Edinburgh ...	151
STONE, J. J., Edinburgh	142
COUTTS, T., Bieldside	138
LAMB, G. T., Edinburgh	137
PATERSON, W. W., Blantyre ...	136
MONCUR, D. A. R., Edinburgh ...	133
HEPBURN, F., Portobello	128
MACGREGOR, D., Glasgow ...	128
HERD, S. W., Edinburgh	121
BIRRELL, R., Giffnock	115
BIRRELL, J. A., Glasgow	111
MACKAY, R. F., Glasgow ...	109
CUMMING, W., Edinburgh ...	99
MCDAVID, W. D., Glasgow ...	75
KERRIGAN, H., Glasgow	62

The elected members, together with the president of the Society (Mr. H. C. Shaw), the vice-president (Mr. J. F. McNeal), and Mr. A. A. Meldrum, Aberdeen, as *ex-officio* members, are to constitute the Executive for 1949-50. The following six members are to retire in 1952:—Messrs. F. W. M. Bennett, C. G. Drummond, J. Anderson, C. W. Macfarlane, W. S. Culbert and A. B. Gilmour. The following are to retire in 1951:—Messrs. C. Coutts, R. MacAdam, R. S. Whitelaw, J. C. Michie, J. Simpson and J. A. Connan. The following six members are to retire in 1950:—Messrs. J. J. Skinner, R. S. Graham, S. Hughan, A. Murray, H. S. Culbert and W. T. Elder. All members on retirement are eligible for re-election.

THE CHAIRMAN, in outlining the work carried out during the year, said that after almost a year of experience of N.H.S. conditions he felt it could safely be asserted that pharmacy had played its part with the ability and the competence anticipated. The educational policy of the Society had justified itself: no demands made upon the professional skill of the pharmacist had been unanswered or unanswerable. It would be short-sighted to imagine that the new Service concerned only the contractor; the hospital pharmacist and, indeed, everyone on the Society's register, was wholly or partly involved. There was to be an innovation in October when the Society's Council was to hold its monthly meeting in Edinburgh. The year had seen the departure of Mr. F. J. Jackson, whose services on the examination side had been untiring and ungrudging, and the arrival, as assistant secretary and superintendent of examinations, of Mr. G. H. Macmorran. The chairman concluded by thanking Dr. McCall and the members of his staff, and the members of the Executive for their help and forbearance during the year.

Branch Organisation

DR. MCCALL then opened a discussion on "Branch Organisation in Scotland." A subcommittee appointed to consider the reorganisation of the branches in Scotland had recommended that a Central Scottish Branch should be framed, with Stirling as its headquarters, involving a certain redistribution of the adjoining branches. The subcommittee had further recommended that a South-west Scottish Branch should be formed to include the Counties of Ayr, Dumfries, Kirkcudbright and Wigtown. The desirability of forming another branch for the County of Glasgow had been considered, but an opportunity would be found to discuss the question with the chemists in the area. The subcommittee, after further consideration, would prepare a report for the Executive.

MR. R. BELL, Ayr, said that, at a recent meeting, Ayrshire chemists had decided to suggest the formation of a County of Ayr Branch on their own. Since then the secretary of the Glasgow Branch had asked whether they would be willing to join with Dumfries, Kirkcudbright and Wigtown. The suggestion had not been greeted with enthusiasm by the Ayrshire Association, whose members felt that they would gain nothing by being attached to the other counties. He suggested that a postal vote of the four counties concerned should be taken and he was sure the Ayrshire chemists would abide by the result.

Mr. J. Eadie, Stranraer, said Wigtownshire chemists would be pleased to join up with Ayrshire. The difficulty in Wigtownshire was not apathy; transport was their problem.

National Health Service

The chairman then called upon Mr. F. W. M. Bennett, Arbroath, who introduced a discussion on "The National Health Service." During the discussion, he said, he had heard a speaker put his finger on what he himself considered to be the pulse of the situation: the inadequate remuneration which was offered to pharmacists. That, he thought, was the principal reason why there was difficulty in getting recruits. The Standing Committee was in the process of stating a case for higher remuneration in connection with the National Health Service. At the present chemists were faced with the acceptance of a bargain which was hateful to all of them; they were being compelled by circumstances to accept a system of payment that was neither just nor equitable. The Standing Committee had worked hard to prevent that situation but had been compelled to accept because circumstances were quite outside their control. There was an accumulation of prescriptions waiting to be checked that had not even been looked at for something like six months; they were accumulating from month to month in enormous numbers. The Standing Committee, finding that the Pricing Bureau was taking three months to price one month's prescriptions, had had to face the problem of how to overcome the difficulty. After many meetings with the Department of Health it had at last reluctantly consented to an abridged scheme of pricing. Mr. Bennett explained how the scheme would operate.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

The president (Mr. H. H. Cowzer) was in the chair at the June meeting of the Council of the Pharmaceutical Society of Northern Ireland. Also present were Messrs. P. R. W. Shinner (vice-president), H. F. Moore (treasurer), C. Abernethy, W. H. Boyd, S. E. Campbell, W. P. Ewart, H. W. Gamble and Walter C. Tate. The secretary (Mr. William Gorman) was in attendance. Apologies for absence were received from Messrs. H. P. Crossin, James McDowell, J. Irwin and Professor E. B. C. Mayrs, M.D.

The President said members would be glad to know that Mr. McDowell was making a good recovery from his illness.

It was agreed to hold a joint meeting with the Northern Ireland branch of the Royal Institute of Chemistry in Belfast in October at which Mr. A. L. Bacharach would deliver a lecture.

A certificate of apprenticeship was granted to Miss Mary Roisin Hughes. Applications from forty-eight candidates to sit for the Final Qualifying examination and from seventy-two to sit for the Preliminary Scientific examination were approved.

The results of the examinations held during the week commenced June 20 were as follows:—

Pass list, Part 1: Brown, Alexander; Campbell, Robert A.; Colhoun, Violet P.; Cregan, Richard E.; Fitzpatrick, Sarah J.; Gillan, Arthur B.; Gracey, William J.; Grant, Bridget; Lee, Gerard F.; Madden, Hilda C.; Mallie, Paul D.; Manson, Thomasina; Markey, W. J.; Morley, James E.; McDonald, Patricia; McFadden, James P.; McIlroy, James L.; McNeely, Ruth E.; O'Reilly, Kevin; Pielou, Leslie W.; Rankin, James F.; Ruddock, Richard L.; Shinner, Joseph W. A.

Pass list, Part 2: Beggs, John M.; Bromley, Arthur F.; Connolly, Bernard J.; Connolly, Desmond D.; Connolly, Patrick J. G.; Dalzell, William H. J.; Gaskin, William D.; Hannon, Gerard P.; Healy, Madeline; Hollywood, Michael; Lewis, Eunice K.; Lynn, George S.; Mackle, Edward G.; Montague, Bridget; McCullagh, Louis A.; McGarrity, Mary J. T.; McGivern, Edward; McGivern, Noel P.; McGrath, Mary J.; Schlindwein, E. O.; Strahan, William T.; Wellwood, James C.

Not Known Here Either.—"In a recent issue of your paper you refer to Snibbo for freckles under the heading 'By the Way,' by Beachcomber. I have since had numerous calls for this product, but have so far not been able to trace it. I would be much obliged, therefore, if you would give me further details of this product, together with the maker's name and address."—*Writer of a letter in the "Daily Express."*

N.H.S. PRICING DISCUSSED IN BELFAST

SEVERAL hundred chemists were present at a meeting held in Belfast on June 16 by the local Pharmaceutical Committee to consider proposals made by the Ministry of Health and Local Government for a scheme for overcoming, by averaging, arrears in pricing prescriptions, and for a return to the deposit system for containers. The meeting approved the scheme of averaging but the deposit proposal was rejected in favour of consideration of a reduced container fee.

Resolution Passed

MR. ROBERT GIBSON (chairman of the Committee) said that although the Drug Pricing Bureau had a staff of forty pricers, not all were fully trained and the pricing of each month's prescriptions had been found to take between six and eight weeks. As a result the Bureau was now six months behind in making final ascertained payments. The proposed scheme was designed to wipe out the arrears by the end of the year, by which time it was hoped that normal working could be established. MR. A. N. LOVESAY, a chartered accountant, dealt with the financial implications of the scheme. At the conclusion of the discussion the following resolution was passed unanimously:—"That this meeting, although strongly opposed to the principle of an abridged pricing method as proposed by the Ministry, and believing pricing in full to be the only satisfactory method for all parties concerned, agrees in view of the exigencies of the Drug Pricing Bureau to a temporary variation from pricing in full only until December 1, 1949, subject to the position being reviewed on November 1, 1949."

Averaging Scheme

The abridged scheme provides that all December forms should be priced in full, and an average calculated after excluding items of over 15s. in value. Payments for January, February and March are to be made at the December average, forms of 15s. and over being priced in full. Payment for January-March is to be subject to an adjustment for month-to-month variations on the basis of the pricing in full of all the forms in an agreed representative sample of chemists whose forms will represent about 10 per cent. of the total forms for each month. Where the average payment per form of the sample shows a variation of 1 per cent. or more from the December average, the variation will be applied to the payments for the three months.

In the same way all forms are to be priced for April and the average with adjustments applied to the payments for May, June and July. For August, however, chemists are to sort forms into two groups:—(a) Forms of total value of 10s. and over; and (b) forms of the total value of below 10s. All the forms for August are to be priced in full. For September, October and November, in which the same grouping is to be made by chemists, group (a) are to be priced in full and group (b) forms are to be paid on the average of (b) forms for August with a similar month-to-month adjustment as before.

Other provisions are that where the number of forms submitted by any chemist does not exceed 100 they are to be fully priced and "stock" prescriptions are to be priced in full in all cases. Forms submitted by suppliers of appliances only are to be priced in full. The printed statement submitted to the meeting included a clause that the arrangements would be subject to review at November 1 next.

Deposit System Rejected

In the discussion on the suggested return to the deposit system for containers, it was explained that the Ministry wished to have a deposit that would be repayable on return of the container. Several speakers expressed the view that such a system would be impracticable on the grounds that chemists are unable to deal with the proper sterilisation of bottles while Health Service dispensing continues at its present high rate. The suggestion was put forward that the Ministry should make it clear to the public that where possible they should return clean bottles. It was eventually decided unanimously to reject the proposal but in order to meet the Ministry on the question of costs the meeting was prepared to put forward a suggestion for a revised container fee. Further negotiations were left to the Committee.

The meeting also decided that a rota service for late duty for dispensing urgent medicines should be put into operation in Belfast in October on condition that a 6.30 p.m. closing order was granted at the same time; country towns and districts would make their own arrangements.

REALLOCATION OF PRICING OFFICES

THE Joint Pricing Committee for England has decided upon an interim reallocation of Executive Council areas to pricing offices to be adopted for the surrender of prescriptions for June onwards. Appropriately addressed labels for use by contractors are to be issued in due course. Further regrouping is to be put into operation as circumstances permit. The offices to which June prescriptions from each Executive Council area must be sent are as follows (for key to abbreviations see below):—

Barnsley ..... W.R.
Barrow-in-Furness L. No. 1
Bath ..... S.W.
Bedfordshire ... W.M.
Berkshire ..... W.M.
Birkenhead S.W.L. & C.
Birmingham ..... C.
Blackburn ... L. No. 1
Blackpool ... L. No. 2
Bolton ..... L. No. 1
Bootle ... S.W.L. & C.
Bournemouth ... S.W.
Bradford ... L. No. 1
Brighton ..... S.E.
Bristol ..... S.W.
Buckinghamshire W.M.
Burnley ..... L. No. 1
Burton-upon-Trent S.W.L. & C.
Bury ..... L. No. 1
Cambridgeshire N.E.M.
Carlisle ..... N.E.
Chester ..... L. No. 2
Cheshire ... L. No. 2
Cornwall ..... S.W.
Coventry ..... W.M.
Croydon ..... S.E.
Cumberland ..... N.E.
Darlington ..... N.E.
Derby ..... N.E.M.
Derbyshire ... N.E.M.
Devon & Exeter...S.W.
Dewsbury ..... W.R.
Doncaster ..... W.R.
Dorsetshire ..... S.W.
Dudley ..... W.M.
Durham ..... N.E.
East Ham ..... E.A.
Eastbourne ..... S.E.
Essex ..... E.A.
Gateshead ..... N.E.
Gloucester County and City ..... W.M.
Great Yarmouth ... C.
Grimsby ..... W.R.
Halifax .....L. No. 1
Hampshire ..... S.W.
Hastings ..... S.E.
Herefordshire ... W.M.
Hertfordshire ... W.M.
Huddersfield L. No. 1
Huntingdonshire W.M.
Ipswich ..... C.
Isle of Ely ... N.E.M.
Isle of Wight ... S.E.
Isles of Scilly ... S.W.
Kent and Canterbury ..... S.E.
Kingston-upon-Hull ..... W.R.
Lancashire ... L. No. 2
Leeds ..... W.R.
Leicester ..... N.E.M.
Leicestershire and Rutland ... N.E.M.
Lincoln ..... W.R.
Lincs (Holland) N.E.M.
Lincs (Kesteven) N.E.M.
Lincs (Lindsey) W.R.
Liverpool S.W.L. & C.
London ..... L.
Manchester ... M. & S.
Middlesbrough ... N.E.
Middlesex ..... S.E.
Newcastle-on-Tyne N.E.
Norfolk ..... C.
Northampton ..... C.
Northamptonshire C.
Northumberland N.E.
Norwich ..... C.
Nottingham County and City ... N.E.M.
Oldham ..... L. No. 1
Oxford County and City ..... W.M.
Peterborough, Soke of ..... C.
Plymouth ..... S.W.
Portsmouth ..... S.E.
Preston ..... L. No. 2
Reading ..... W.M.
Rochdale ... L. No. 1
Rotherham ... N.E.M.
St. Helens ... L. No. 1
Salford ..... M. & S.
Salop ... S.W.L. & C.
Sheffield ..... N.E.M.
Smethwick ..... W.M.
Somerset ..... S.W.
South Shields ... N.E.
Southampton ... S.W.
Southend-on-Sea E.A.
Southport ... L. No. 1
Staffordshire S.W.L. & C.
Stockport ... M. & S.
Stoke-upon-Trent S.W.L. & C.
Suffolk, East ..... C.
Suffolk, West ..... C.
Sunderland ..... N.E.
Surrey ..... S.E.
Sussex, East ..... S.E.
Sussex, West ..... S.E.
Tynemouth ..... N.E.
Wakefield ..... W.R.
Wallasey...S.W.L. & C.
Walsall...S.W.L. & C.
Warrington ... M. & S.
Warwickshire ... W.M.
West Bromwich W.M.
West Ham ..... E.A.
West Hartlepool N.E.
Westmorland ... N.E.
Wigan ..... M. & S.
Wiltshire ..... S.W.
Wolverhampton S.W.L. & C.
Worcester ..... W.M.
Worcestershire W.M.
York ..... N.E.
Yorks (East Riding) W.R.
Yorks (North Riding) N.E.
Yorks (West Riding) W.R.

Pricing Office Addresses

C.:—Central Prescription Pricing Bureau, 244 Lozells Road, Villa Cross, Birmingham, 17.

E.A.:—East Anglian Prescription Pricing Bureau, Burghley Hall, 809 High Road, Leytonstone.

L.:—London Prescription Pricing Bureau, Insurance Street, London, W.C.1.

L. No. 1:—Lancs No. 1 Prescription Pricing Bureau, Congregational Buildings, 31A Draycott Street, Bolton, Lancs.

L. No. 2:—Lancs: No. 2 Prescription Pricing Bureau, 42 West Cliff, Preston.

M. & S.:—Manchester and Salford Prescription Pricing Bureau, Ardwick Town Hall, Ardwick Green, Manchester, 12.

N.E.:—North of England Prescription Pricing Bureau, 82 New Elvet, Durham.

N.E.M.:—North-east Midlands Prescription Pricing Bureau, 28 Kenwood Park Road, Sheffield, 7.

S.E.:—South-eastern Prescription Pricing Bureau, 25 Cedars Road, Clapham, London, S.W.4.

S.W.:—South-western Prescription Pricing Bureau, 64 Redland Road, Bristol, 6.

S.W.L. & C.: South-west Lancs and Cheshire Prescription Pricing Bureau, 36 Princes Road, Liverpool.

W.M.:—West Midlands Prescription Pricing Bureau, Lonsdale House, Windmill Lane, Smethwick.

W.R.:—West Riding Prescription Pricing Bureau, Prudential Buildings, 55 Westgate, Wakefield.

A Rooting out of Prescriptions?—"The 'hog-patients' are the folk who will get a prescription on the slightest excuse."—*From the "South London Observer."*

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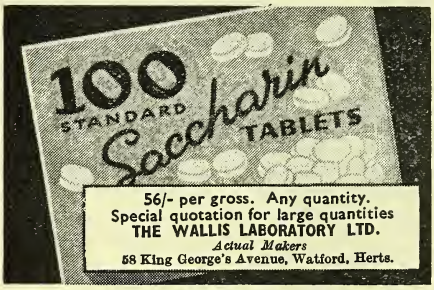

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VOL. CLII JULY 2, 1949 No. 3619

Record Exports of Medicines

EXPORTS of chemicals, drugs, dyes, etc., during May achieved a peak total of £8,091,749, against £6,891,439 in April, and only once before exceeded—in January of this year, when exports totalled £8,212,770. Drugs, medicines and medicinal preparations amounted to a record value of £1,790,990, against £1,583,847 in April and £1,678,753 in March. Proprietary medicines exported increased to a peak of £542,873 from £452,565 in the previous month and were higher than in any month since January 1948. Shipments of aspirin were lower with a total quantity of 116,877 lb. (April, 131,625 lb.) valued at £39,891 (£32,164). Exports of insulin, however, rose in value from £26,716 to £33,283. Penicillin exports totalled £209,415, compared with £215,979. Shipments of ointments increased to £88,897 (£61,769). Quinine and its salts sold in overseas markets totalled £32,726 (£29,248). India again headed the list of principal buyers of British medicinal products, followed by South Africa, West Africa, New Zealand, Egypt, Eire and Pakistan. Exports of the disinfectants section of the chemicals group—which also includes insecticides (excluding nicotine), weed-killers, and sheep and cattle dressings—were valued at £247,167, compared with £292,611 in April.

A welcome improvement is noted in exports of perfumery and toilet preparations (excluding spirits, essential oils and soap) which increased from £385,477 to £426,479. Dental preparations, etc., were largely responsible for the higher figure, with a value of £80,740 (£54,759). Cosmetics, etc., exported were valued at £173,428 (£172,524). Essential oils exports totalled £48,177, an increase of £7,476 on the previous month. The value of toilet soap shipped overseas increased from £220,783 to £246,991.

Scottish Executive Elections

THE recent election for membership of the Scottish Executive of the Pharmaceutical Society (see p. 12) marks the end of the system whereby the whole eighteen elected members retire and seek re-election each year. From now on the Executive is to adopt a practice similar to that already followed in elections to the Society's Council. Of the eighteen Executive members just elected, the six at the top of the poll are to remain in office for three years, the second six for two years and the remainder for one year, so that, from 1950, only six places will fall vacant each year. Retiring members are, of course, eligible to seek re-election. Apart from the greater continuity of policy that should result from the new system, under which a majority of members will always have from one to two years' assured service before them, the problems of the electorate should be simplified. To choose eighteen candidates from a nomination list of forty-one is a complicated task. With only six vacancies each year, the number of nominations is likely to be smaller, and more careful scrutiny of candidates' claims becomes possible.

Alterations to Premises

MANY people wishing to execute repairs or alterations to, or to enlarge, their trade premises, are puzzled over the extent to which their position is affected by the Town and Country Planning Act, 1947. Two points of importance have to be considered in this connection—first, whether permission is necessary from the planning authority before the work can be put in hand; secondly, whether a "development charge" will have to be paid if the work is carried out.

It may be taken as a general rule—though there are exceptions—that, if plan-

ning permission is necessary, development charge is payable. The "development charge" represents the additional value the property will have as a result of permission being granted to carry out the work. The amount of the charge will be fixed by the Central Land Board, from whose decision, it appears (unless the law is altered by a Bill at present before Parliament) there is no appeal. A sound piece of advice to every trader contemplating any alteration to his trade premises would be to inquire first of the local authority whether it would agree that no planning permission was necessary. If the authority agreed, then the trader could safely go ahead. If, however, the reply was that permission was necessary, then it would be necessary to examine the position more closely. Should the trader disagree with the views expressed, it would be for him to argue with the local authority's representative and to persuade him that the authority's view was wrong.

When Consent is Necessary

It is important to appreciate that, while altering or enlarging premises, as such, may not require consent, yet if the alteration involves a change of user of the premises, then consent may and will most likely become necessary. As an example, we may take a lock-up shop with living accommodation above — from which the shop is entirely separated, access being by a side door—and garage. The alterations to the living quarters, as such, or to the shop, as such, may not require consent, but immediately any part of the premises formerly used for the purpose of the dwelling accommodation were incorporated in any plan to alter or extend the shop, alteration of the previous user would be brought about, and planning permission would, in consequence, have to be obtained.

The execution of ordinary repairs, whether to the inside or outside of a property, requires no consent, whether the premises or the portion of the premises affected are used as a dwelling or as a shop.

Consent is not necessary for altering or improving premises, or a portion of premises, so long as the cubic capacity of the whole building is not increased by more than 1,000 cu. ft. nor the height of the building by more than 10 ft. Here again there must be no alteration of user. The shop portion of the building must continue to be "shop" and the dwelling portion must remain "dwelling." The cubic capacity of the shop portion alone, or of the dwelling portion alone, may be increased by the whole of the permitted maximum of 1,000 cu. ft., but if the whole allowance is used up on the shop, no extension is permissible of the dwelling portion, and *vice versa*. Thus, part of the yard could be taken in with the shop if the yard had been used exclusively in connection with the shop; or the yard might equally be built on, so long, of course, as the extension did not exceed the permitted maximum of cubic capacity. Similarly, it would be permissible to knock down a dividing wall so as to enlarge the shop proper. Even a new shopfront might be put in, provided that it did not encroach on any part of the exterior or interior of the building that had formerly formed part of the dwelling portion. In each of these cases planning permission would be unnecessary and no development charge would be payable.

If, however, the trader wants to build an erection in the grounds (i.e., in "curtilage" of the premises as it is technically described), permission is required. Thus, permission is needed for the erection of a garage or if the maximum of one-tenth is exceeded. Difficult questions arise if the premises consist of a lock-up shop with dwelling accommodation alone. The primary character of the building as a whole might then be said to be that of a "dwelling house" and permission would become necessary if the erection was intended to be used in connection with the business (e.g., as a store). Permission would not be necessary if the structure was within the permitted limits and was to be used in connection with the dwelling portion (e.g., as a coal shed).

VIRUSES AND VIRUS DISEASES

By C. H. Andrewes, M.D., F.R.C.P., F.R.S.
(National Institute for Medical Research, London)

1.—How Viruses are Studied

MUCH is heard nowadays about viruses as causes of disease. They have always been important, but perhaps they seem more so today because of the success of sulphonamides and penicillin in controlling infections due to bacteria. Viruses belong to three main groups: those attacking, respectively, animals, plants and bacteria.

Fig. 1 Electron micrograph of influenza virus particles adsorbed on the surface of a red blood cell and "shadowed" to show their contour.
(With acknowledgments to the "Lancet.")

What are Viruses?

The question "what are viruses?" has been much in dispute, especially since Stanley's discovery that some plant-viruses could be crystallised. This discovery raised the question of whether they were to be regarded as very small micro-organisms or as something non-living. The possibility that they represent something between the living and the non-living has received much publicity. The truth is that in their behaviour viruses act just like bacteria and other relatively large micro-organisms. They are all parasites, living in the interior of cells of their "host." Their method of spread can be studied by the recognised techniques of epidemiology, and the changes they produce by the familiar methods of pathology and immunology. Only one thing is obscure—what is their original ancestry? Since it is hard to delve into the past, it is possible that this question will still be unsolved fifty or a hundred years hence. Some believe—and these include most of those who study the viruses attacking animals— that viruses have evolved from larger micro-organisms, becoming smaller and simpler as they become adapted to a more and more specialised parasitic life. Others, including many students of the plant-viruses, feel that viruses may ultimately be derived from the plant cell, some constituent of which may have "got loose" and found itself able to multiply when introduced, as by an insect, into a

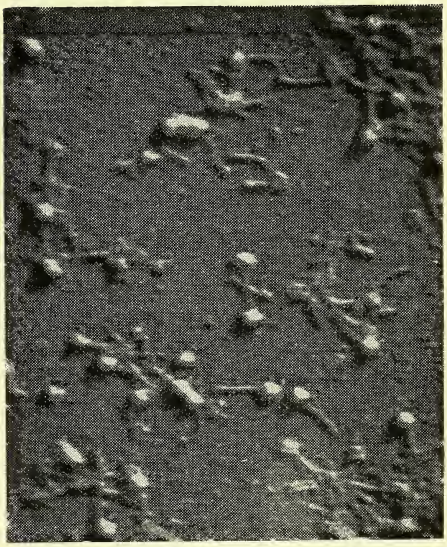


Fig. 2. Electron micrograph of bacteriophages active against staphylococci, showing their heads and tails. Gold shadowed. (x 35,000.)

cell of another plant. Since we cannot settle this controversy, let us turn to something more concrete.

Methods of Study

Viruses cannot be grown, as can most bacteria, on lifeless media. The fundamental necessity for their study is therefore

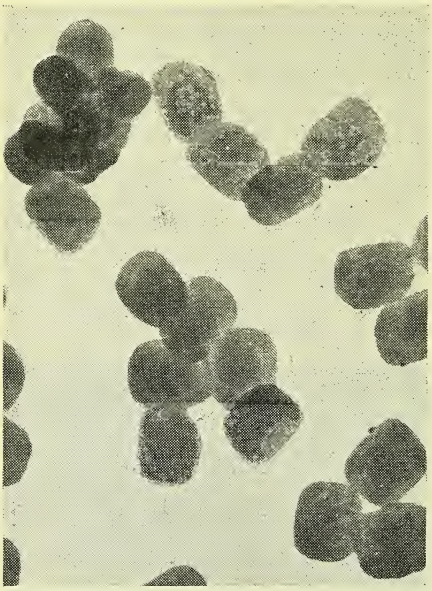


Fig. 3. Electron micrograph of vaccinia virus, showing somewhat rectangular virus bodies with more opaque central masses.

the ability to "grow" them in a living, susceptible host and to determine if they are present and active by observing what disease they produce. Some viruses can multiply without producing any disease in their host. Thus all King Edward potatoes "carry" in their tissues a virus which is harmless to that variety of potato but will produce symptoms if suitably transferred to other potatoes. Normally, however, production of disease or death is the test for growth of a virus. Some animal-viruses such as those causing vaccinia and rabies will grow in rabbits, guinea-pigs and a whole host of other animal species, and their study is relatively easy. Others are more particular: most strains of poliomyelitis will only affect monkeys—apart from man; a few poliomyelitis strains have been found able to infect rodents such as cotton-rats and mice. Measles only attacks man and monkeys—and the production of measles in monkeys is rather irregular and unsatisfactory. The common cold will infect only man and the chimpanzee. Chimpanzees are scarce and expensive, and human volunteers vary greatly in their resistance to infection; hence the slow progress in studying that disease.

Cultivation of Viruses

Within recent years it has been found possible to grow a majority of viruses in fertile developing hens' eggs. Four main techniques are used and for each one, chick embryos of a particular age, and incubation at a particular temperature, are important. Some viruses grow best when introduced into the cavity containing the yolk; others in the amniotic fluid immediately surrounding the embryo chick, others in the allantoic cavity into which the waste products of the chick are excreted,

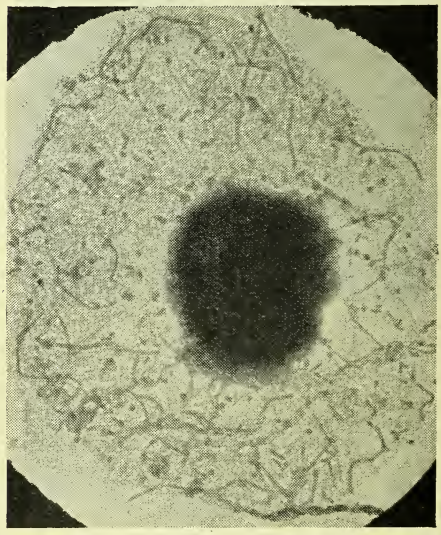


Fig. 4. Electron micrograph of a laked fowl red cell to which has been adsorbed recently isolated influenza virus; both rounded and long filamentous forms are seen.

(With acknowledgments to the "Lancet.")

others on the developing embryonic membranes. Growth of the virus may be detected by killing of the embryo, or by the production of characteristic spots on the

embryonic membranes, but growth may occur without production of any visible change at all. An exciting step forward was made in 1941 when Hirst discovered that egg-fluids containing influenza virus in sufficient quantity had the power of clumping or agglutinating chick, and other red-blood cells—such as one sees in "grouping" human blood for transfusion. This clumping can be used to measure quantitatively the amount of influenza virus in a fluid. A similar reaction has since been found to occur with some other viruses, those of mumps and of two diseases of fowls—fowl-plague and Newcastle disease.

Many viruses can also be grown in tissue-cultures—cultures of cells of chick or mammal, such as can be made to survive outside the body for days or weeks. Characteristic changes may be produced in the cells of such cultures when they are infected with a virus.

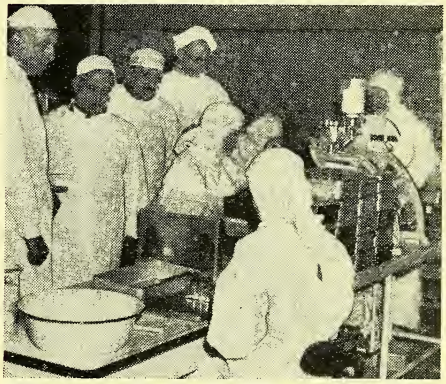
Sizes of Viruses

The largest viruses are of about the same size as the smallest bacteria, round about 0.5 μ (1/2,000 mm. or 1/50,000 in.) in diameter. The smallest ones have only a fiftieth of that diameter (0.1μ or 1/2,500,000 in.). The viruses of poliomyelitis and foot-and-mouth disease are about this size, which is actually smaller that that of some protein molecules. How do we know this? Most information was originally obtained by filtration through Elford's "gradocol" membranes—collodion membranes of which the pore size was very constant and could be accurately measured by physical means. These results were confirmed by the results of deposition of virus in high-speed centrifuges and by the optical methods next to be discussed.

The larger viruses can be stained by methods used in bacteriology; these methods are useful for some purposes but do not show viruses as more than little "dots." Ultra-violet microscopy gives better resolution; it can be used on wet preparations and is one of the most useful methods of determining virus size. The electron microscope gives, of course, much larger magnification and is revealing more and more. Specimens have, however, to be examined in the dry state in a high vacuum and care is therefore necessary in interpreting the pictures obtained. A shadowcast technique has been introduced; atoms of gold and other metals are shot at the virus preparations obliquely (see Fig. 1) so that the virus bodies shelter the background from the impinging metallic particles; they thus seem to stand out and be visualised three-dimensionally. Electron microscopy has given us some surprises. The bacterial viruses or bacteriophages, the group of viruses which attacks larger bacteria, are seen, in many instances (see Fig 2), to consist of tadpole-like objects with a head and tail. One can also make out structures within the head and even in the tail. Other viruses such as vaccinia, are found to be brick-like and with a dense central nucleus-like mass (Fig. 3). The most recent surprise concerns influenza: workers at the National Institute for Medical Research have found that recently isolated influenza virus does not only occur in the orthodox form of round spheres but as long filaments, up to a hundred times as long as wide. Fig. 4 shows such filaments absorbed on the surface of a red cell which has been treated to remove its hæmoglobin. It remains to be seen whether a complex life-cycle of development of the virus is going to be revealed.

Finally, the methods used in bacteriology to measure antibodies in our blood—agglutination, complement fixation and other tests—are, most of them, applicable also to the study of virus infections.

The photographs reproduced were taken by Drs. W. J. Elford and I. M. Dawson, of the National Institute for Medical Research.



PAKISTAN MINISTER AT GREENFORD.—*The Hon. Mr. Fazlur Rahman (Pakistan Minister for Commerce, Industries and Education) with Mr. M. Nazir (Supply Commissioner, Office of the High Commissioner for Pakistan in London) examining the packing of streptomycin during a visit to the Greenford factory of Glaxo Laboratories, Ltd., Greenford, Middlesex, on June 20.*

RESEARCH EXCHANGE OPENED IN LONDON

SIR HENRY DALE (President, Royal Society of Medicine) opened the centre in London of the newly formed Ciba Foundation for the Promotion of International Co-operation in Medical and Chemical Research, 41 Portland Place, W.1, at a ceremony there on June 22. The new organisation, a British Charitable Trust, is endowed by Ciba, Ltd., Basle, Switzerland, its administration being in the hands of trustees (Lord Beveridge, Lord Horder, Professor E. D. Adrian and Mr. Needham, K.C.), who have the advice of a panel of specialists, and the help of an executive council under the secretaryship of Dr. G. E. W. Wolstenholme. The Centre is to be used to enable scientists from different countries to meet for discussions and the exchange of ideas. Relatively small numbers of scientists will be invited to informal conferences, and lecturers of international repute from different countries will be invited to address selected audiences. The Foundation is also to make grants to younger men of outstanding promise, and to British workers to study methods of research abroad. Accommodation is provided for fifteen resident visitors, and this may be placed at the disposal of the Medical Research Council, universities, teaching hospitals, etc., for purposes within the sphere of activities of of the Foundation; no laboratory is attached to the Centre. At first, the research to be encouraged will be on the steroid hormones, and it is planned to build up a specialised library covering that field. A journal may be published.

Opening Channels of Discussion

Sir Henry Dale, addressing the trustees and guests (who included many representatives of the medical and pharmaceutical professions and pharmaceutical industry). stressed at the opening ceremony the desirability of strengthening the links between research workers in the universities with those in industry and with the practising medical man. In view of recent encroachments of secrecy on science necessitated by war, it was particularly important now to open all possible channels of free discussion, and he hoped that, wherever possible, workers from Eastern Europe also would be given the opportunity of taking part in the activities of the Centre. The choice of London as the site for the Centre would encourage the national and civic pride of British and London workers.

DR. MAX HARTMAN (head of research team, Ciba, Ltd., Basle) outlined some of the contributions his colleagues had made to the chemistry of medicine, and LORD HORDER said that those contributions illustrated how doctors relied on the chemist for new, easily obtained, pure and assimilable remedies. LORD BEVERIDGE described the Centre as an establishment for the "mixing of chemists."

B.C.G. VACCINATION PLANS

ARRANGEMENTS for introducing B.C.G. vaccination against tuberculosis in Britain have been made by the Minister of Health and the Secretary of State for Scotland. Since B.C.G. has yet to be put to the test of experience under conditions native to the country, the scheme is to be kept within defined and suitably controlled limits. B.C.G. vaccination is to be offered to all hospital nursing staffs and medical students as "a form of inoculation to which their professional prudence may dispose them." The vaccine is also to be made available to chest physicians or other appropriate specialists (e.g., pædiatricians) who may wish to use the vaccine, on their individual responsibility, in such suitable cases as family contacts of tuberculous persons. The medical advisers of the Ministers consider it necessary, at present, that B.C.G. vaccination should be the responsibility of physicians with specialised knowledge and experience of tuberculosis, and it will not be possible for it to be obtained by a patient who goes to his own doctor. A doctor who considers it advisable for a particular person may, of course, refer that person to a chest physician. Supplies of B.C.G. are to be obtained from the Serum Institute, Copenhagen, from which they will be ordered by the Ministry of Health (or Department of Health for Scotland) and consigned by air weekly. It must be used with the least possible delay after it leaves the laboratory, and instructions are to be issued about the procedure that will need to be closely observed in applying to the Departments in advance for a specific quantity of the vaccine, as required, for delivery at a stated address for use on a given date. It is advisable, says the Ministry, to vaccinate only such persons who do not react to tuberculin; the strength of the B.C.G. to be obtained from Copenhagen is suitable only for intradermal use.

MINISTRY OF HEALTH BULLETIN

THE following abstracts are taken from the twenty-third Bulletin to Pharmacists issued by the Ministry of Health.

Treatment of Allergic Conditions

By John F. Wilkinson, M.Sc., Ph.D., M.D., F.R.C.P., F.R.I.C.

SOME of the most difficult conditions to treat successfully, as witness the variety of the suggested methods, are the so-called allergic diseases—asthma, hay fever, vasomotor rhinorrhœa, migraine, urticaria (angio-neurotic œdema), eczema, allergic purpura (Henoch-Schönlein), recurrent idiopathic swellings of the joints, gastro-intestinal allergies, and possibly rheumatic fever and acute nephritis. The diagnosis of these conditions offers no difficulties, and is confirmed most easily by intradermal protein sensitivity tests (using a range of test solutions) against the suspected specific proteins. In this way, it will generally be found that certain groups of proteins are implicated; thus the pollens (grass, shrubs, trees) are identified with hay fever, while the commonest factors in vasomotor rhinitis are the inhalant dusts of group I (feathers, horse, dog, cat, house, orris) and those proteins of group II (furs, cow, goat, rabbit, sheep wool, human hair) that are most commonly found in the patient's environment. With this information it is usually a relatively simple matter to desensitise the patient with the appropriate specific extract. The desensitising course should be started and completed before the end of April for hay fever, but any time will do for rhinitis; it should not be begun during an acute attack, but once started the gradually increasing dosage should be injected regularly either daily or on alternate days. Zinc ionisation of the nasal mucous membrane or cauterisation of the inferior turbinates, using the electric cautery, trichloracetic acid, chromic acid, silver nitrate and other treatments have not given results as satisfactory as the method of protein desensitisation.

On the whole very satisfactory results are obtained in hay fever, most patients being protected against attacks for at least the following year, but often longer, or the severity and duration of the attacks are very greatly diminished for long periods; vasomotor rhinitis often shows partial or complete amelioration for variable periods of time. After intervals varying from six months to three years a proportion of cases may require further desensitisation. The effect of desensitising solutions on other allergic phenomena is either less marked or negligible.

The treatment of asthma is much more complicated for here we are dealing with an intermittent or continuous spasmodic contraction of the bronchial muscles causing severe expiratory dyspnœa due to profound changes within the patient. We often find this patient highly strung, emotional, introspective, over-anxious, sensitive and often very imaginative, craving for attention and affection. A careful search must be made to determine the probable ætiological factors for these may be wholly or partially psychological in origin; peripheral irritation, or chemical influences in such a naturally hypersensitive individual will set up excessive vagal discharges precipitating an attack of asthma. It is common to find a variable degree of bronchitis associated with asthma but phthisis is relatively uncommon. Each patient is a separate problem—one will be better in a dry cold climate, another does best in an ordinary industrial city atmosphere. Peripheral irritation originating in the naso-pharynx or nose may be a trigger mechanism, while gastro-intestinal factors may be features in others, especially in those with achlorhydria gastrica—a not uncommon finding in these patients. In the "allergic" asthmatics perhaps some of the commonest exciting causes are chemical substances such as the inhalant dusts, emanations from animals and birds, textiles, the constituents of certain foods and sometimes drugs such as aspirin, potassium iodide, ipecacuanha. In such cases a specific desensitising treatment is suggested.

Rôle of Histamine

The influence of minute amounts of proteins in initiating asthmatic attacks recalls the symptoms of anaphylactic shock in animals in which similar bronchial constriction can be produced, especially after the injection of small doses of histamine. Thus, allergic symptoms can be produced by the histamine that may be liberated in large quantities in the lungs, skin, alimentary tract and other tissues. Attempts to prevent attacks or to desensitise the patient by giving minute but increasing doses of histamine have not been successful, nor has the use of the specific enzyme, hista-

minase, which is said to be deficient in these patients, been any less disappointing. Histamine antagonists may be of different types, for, while histaminase, the body's usual agent for this detoxicating purpose, has proved useless as a therapeutic measure when given orally or parenterally, the physiological antagonism between histamine and adrenaline is well known, and so adrenaline is employed extensively in the relief of all allergic phenomena. Nevertheless, the most interesting and maybe the most important are the synthetic antihistamine substances that have been described in recent years, for they apparently combine with the tissue receptor proteins in competition with and more avidly than histamine itself, thus preventing histamine from combining with them. These antihistamine drugs are therefore used to prevent the onset of the allergic phenomena; they are of no use once the phenomena have developed (for which adrenaline is then the best treatment) except to prevent further attacks.

Using an efficient atomiser, inhalation of an anti-spasmodic solution, containing essentially methylatropine nitrate, papaverine, adrenaline, pituitary and chlorbutol, is extremely valuable and later becomes important as a prophylactic to carry about for emergencies. The indiscriminate and excessive use of these inhalations is a frequent cause of the acute broncho-spasm and recurrence of further asthmatic attacks. The hand-operated pocket type of atomiser without face mask is the most useful and convenient type. The motor-driven types of apparatus should not be used as they may cause over-medication.

In using anti-histamine drugs great care has to be exercised for many patients cannot tolerate them and show a variety of toxic reactions, but more important is their great tendency to produce drowsiness or even sleep, and they should not therefore be taken by patients going about their ordinary work away from home.

Smallpox

By W. H. Bradley, D.M., M.R.C.P. (Senior Medical Officer, Ministry of Health).

Smallpox is one of the five "convention diseases" which are subjects of the International Sanitary Conventions. Its occurrence in a port must be notified to a central international office, which is for the time being the Interim Commission of the World Health Organisation at Geneva. The eratication of the disease when once introduced depends upon the speedy isolation of cases in the smallpox hospital, and the vaccination and careful supervision of all persons exposed to the infection with the intention of removing them also as soon as they show any signs of disease. The duration of the incubation period of smallpox is surprisingly constant and in relatively few cases is it more or less than twelve days to the onset of illness and fourteen days to the outcrop of the focal rash. Contacts therefore remain under medical surveillance for a period of sixteen days after the last exposure to infection.

Protection against smallpox is induced by active immunisation using the live virus of vaccinia (cowpox) as antigen. With the passage of time especially adapted dermatotropic strains have been selected and the vaccine, or lymph, should be administered by dermal inoculation only. The protection vaccination gives wanes, like all artificially induced immunity, enduring at its maximum for four or five years only, and varying in degree and duration in different individuals. The rate at which immunity wanes is illustrated by the following ratios given in the League of Nations Handbook of Infectious Diseases (1945):—The incidence of smallpox amongst persons vaccinated once compared with the incidence amongst unvaccinated is in the ratio of:—

1 to 150 during the first ten years after vaccination.
1 to 64 ten to fourteen years after vaccination.
1 to 6 fifteen to twenty years after vaccination.
1 to 5½ twenty-five to thirty years after vaccination.

Between thirty and thirty-five years after vaccination smallpox attacks vaccinated and unvaccinated in equal proportions. It is therefore wise to offer vaccination to all contacts, irrespective of vaccinal state, both for their own protection and for the greater security of the community, and to prevail on those who hesitate to accept.

It is frequently stated that vaccination within the first three days after infection will always protect. Experience has shown that there is no justification for this statement, but nevertheless what Leake (1927) says is true: "Successful vaccination performed on the day of exposure will almost always give complete protection."

The Bulletin also contained an article entitled "The Advance of Art Therapy," by Adrian Hill (*Lauréat,* National Academy of Medicine, Paris, 1947).

SIMPLIFIED BOOK-KEEPING

By S. Howard Withey, F.Comm.A.

8.—Drafting a Balance Sheet

WHEN the chemist has prepared his periodical profit and loss account and ascertained the results of the trading, the items remaining in the list of outstanding ledger balances will represent the values of the various assets employed in the business and the liabilities that have been incurred to date. Assets will appear as debit balances in the ledger, and the liabilities will be credit balances. The amounts will have to be arranged in the form of a statement of affairs or balance sheet.

While the assets of the limited liability company are usually shown on the balance sheet in the order of their permanence, it is the practice to enumerate the assets of the sole proprietor or partners in the order of their convertibility.

Cash in Hand

The first item to be entered on the assets side is the amount of cash in hand as at the balancing date. This should correspond with the contents of the register, till, or cash box and should be reconciled with the figure shown in the chemist's cash book. Next is shown the balance, if any, standing to the chemist's credit at the bank, and this figure should correspond with the difference between the "Paid to Bank" and "Cheques Drawn" columns of the cash book, and with the balance shown in the pass book, or bank ledger abstract, subject to any outstanding items and unpresented cheques.

The amount of any cash which has been advanced by the proprietor or firm, and which is subject to repayment on demand or at short notice, should be entered on the debit side of the particular personal account (unless there are special reasons for not doing this) and the book debts outstanding at the close of the period should be reconciled with the list of balances owing by customers and debtors after writing-off all known bad debts.

Investments and securities of a gilt-edged nature are sometimes valued for balance-sheet purposes at their nominal value or at market price, whichever is the lower, but any shares held in companies accustomed to pay dividends should be valued at cost, and the value of any shares held for securing turnover, as distinct from investments, shown separately.

Stocks of goods on hand at the balancing date should represent the cost values, and the figures should agree with those shown on the credit side of the periodical trading or profit-and-loss account, after allowing for damaged and unsaleable goods. The value of the business premises may be in excesss of the amount standing in the trader's books, but the figure should not be written up, and in the case of leasehold property an adequate sum should be written off and charged against revenue to cover depreciation in the value of the lease due to the passage of time. The book value of furniture, fixtures and fittings should also be subjected to a deduction for wear and tear and obsolescence, etc.

If the total turnover is small, a division of the assets under such general headings as cash, book debts, stocks, property, etc., usually suffices, and the trading liabilities may be shown on the other side of the balance sheet under such heads as sundry trade creditors, amount due to bankers, loans, accrued expenses, reserves, etc.

Proprietor's Capital

On the liabilities side are shown also the amount of the proprietor's capital, or the separate capitals of the partners, as the case may be, after deducting all private drawing during the period under review, and adding the balance of net profit as shown in the final profit-and-loss account, or the shares of profits of the partners. The profit or loss of the sole trader or the private partnership is usually merged in the capital account, but the capital of the limited liability company must be shown separately, as it cannot be altered unless definite statutory requirements are fulfilled. Only the profit realised or the loss sustained during the accounting period should be shown in a company's profit-and-loss account, the balance brought forward from the previous period, the allocations to reserves, and any other appropriations being recorded in a special profit-and-loss appropriation account.

It should be remembered that the balance sheet is intended to present the financial position of the business and not that of the proprietor, and as the business is indebted to the extent of the invested capital the amount should be shown as a business liability.

CORRESPONDENCE

Resale Price Maintenance

SIR, — The Committee on Resale Price Maintenance endorses the right of a manufacturer to both fix and enforce resale prices for his products. Yet how can the price be "fixed" if it is to be subject to reduction by those who have "low-cost methods of distribution—" the claim made by every cut-price store that ever existed as the reason for its being able to cut prices. Even if the manufacturer's price really were fixed, how could it be maintained when the only method of maintaining it is taken away from him—the P.A.T.A. system of enforcement being the only practicable one. It is rather like saying that it is legal for anyone to open a butcher's shop but illegal for him to sell meat.

J. M. RYAN.

N.H.S. in Scotland

SIR,—A fortnight ago chemists in Scotland received a circular marked "strictly confidential" on the National Health Service in Scotland, but as the gist of it has been made known from official quarters, presumably we may be permitted to discuss the matter amongst ourselves. It is almost a year since Scottish chemists agreed "provisionally" to undertake N.H.S. dispensing, subject to negotiations for better terms. Instead of better terms materialising, we are now to find our remuneration reduced in many ways if we accept the decisions taken in Edinburgh. Surely we are not going to be browbeaten into returning to the old deposit system for containers. The scheme for payment of arrears, moreover, is a lottery such as I, a non-gambler, object to being forced to enter. We would soon hear about it if we took three months to cope with one month's dispensing. The scheme of abridged pricing, unlike the English system, refers to forms and not to individual prescriptions. Is the Standing Committee satisfied that its method of averaging is going to treat the chemist fairly with regard to fees? This question applies particularly to penicillin preparations requiring aseptic technique but whose ingredient value may be low. I personally am not satisfied with the Bureau's pricing of many of my September prescriptions, which I have checked. Any error, unless rectified, will affect the whole winter's results. Appliances were supplied then in good faith and the net cost claimed, and the Drug Tariff was not received by me until March 3. For example, a douche can, complete, was supplied and the prescription endorsed "net cost 11s." In September's prescriptions I was paid 8s. 1½d. for it. Did the pricer remember that he or she was pricing a prescription dispensed about six months previously, or was the basis that current at the time of pricing? The introduction of tax-free packs for dispensing may prove to be a snare and a delusion. I may sell Blank's pills in large quantities and buy them in bulk, tax-free, but a brother chemist even a few miles away may dispense them only once a year. Again, why were September and April chosen as the months for full pricing? That choice leaves the heavy winter months to be based on the averages of spring and autumn. My own payments on account have never been received by the fifteenth of the month but usually about the twenty-eighth. Some points of the scheme seem to amount to breach of contract, so if our contract is broken we should give notice that we cease dispensing immediately.

FINGAL.

SIR,—Along with all other N.H.S. contractors for Scotland, I have now received the circular setting out the "facts" leading up to this "new abridged pricing." It seems to me, and possibly it does to others also, that this scheme was all cut and dried before the meeting of delegates was held on June 8. I understand that delegates from the various branches were agreed that "No" should be the answer given to the proposals, and yet they left the meeting and gave the answer "Yes" !!! It does seem strange that, when any cheese-paring has to be done, the poor chemist is the one to get it. Why? We in Scotland are only doing our duty by the people when we serve them as we are doing. For almost a year now we have borne the burden well, even though, it may be, under protest. So far as I am aware, no decision has yet been arrived at to give us a decent dispensing fee. When the scheme started in Scotland it was touch and go whether we would accept the terms or not. We did so under protest, in the hope that better arrangements would be put before us in the near future. Alas for these hopes! Is it not time branches called a special meeting and discussed the whole matter?

SCOTTISH CHEMIST.

MISCELLANEOUS INQUIRIES

Saponaceous Shaving Cream.—*M. K.*—The following is a formula for a saponaceous shaving cream:—

Stearic acid	8 oz.
Coconut oil	2 oz.
Sodium hydroxide	2 oz.
Potassium hydroxide	2 oz.
Distilled water	15 oz.

White Shoe Dressing.—*P. C. I.*—The following is a formula for a white shoe dressing:—

Water	136
Fine pipe clay	454
Shellac, bleached	136
Borax, powdered	68
Soft soap	8
Ultramarine blue	5

Boil the shellac in the water, adding the borax, and keeping up the boiling until complete solution is obtained, then stir in the soap (five or six parts of "ivory" soap, shaved up, and melted with two or three parts of water, is better than common soft soap), pipe clay and ultramarine. Finally, strain through a hair-cloth sieve.

Hand Cream.—*D. M. M.*—A hand cream containing lecithin may be made to the following formula:—

(a) Stearic acid	180.0
(b) Lecithin	10.0
(c) Triethanolamine	17.5
(d) Glycerin	120.0
(e) Alcohol	75.0
(f) Water	591.0
(g) Perfume	5.0
(h) Nipagin M	1.5

Melt (a) and (b) and adjust the temperature of the mixture to about 75° C. Add (c), (f) and (d), heat to 80° C., and stir in rapidly the mixture of (a) and (b). Continue stirring until the temperature drops to about 40° C. Then add (g) and (h) dissolved in (e) and continue mixing until the product is smooth.

Reciprocity of Qualifications. — *N.B.R.* — The Pharmaceutcal Society of Great Britain recognises reciprocally the qualifications of the following pharmaceutical authorities:—

Ontario College of Pharmacy, Toronto, 2, Ontario, Canada. South African Pharmacy Board, Transvalia Buildings, Central Street, Pretoria, South Africa. Pharmacy Board of New South Wales, Box 3944V, G.P.O., Sydney, N.S.W., Australia. Pharmacy Board of Victoria, 360 Swanston Street, Melbourne, C.1, Victoria, Australia. Pharmaceutical Council of Western Australia, Technical College, St. George's Terrace, Perth, Western Australia. Pharmacy Board of Queensland, 167 Adelaide Street, Brisbane, Queensland, Australia. Pharmacy Board of South Australia, Shell House, 170 North Terrace, Adelaide, South Australia. Pharmacy Board of Tasmania, Imperial House, 140 Collins Street, Hobart, Tasmania. Pharmacy Board of New Zealand, 59 Cambridge Terrace, Wellington, C.3, New Zealand. Pharmaceutical Society of Northern Ireland, 73 University Street, Belfast, Northern Ireland.

Any pharmacist considering emigration should write to the pharmaceutical authority of the country to which he intends to go, to ascertain what documents he would be required to produce to secure registration in that country.

Perfumed Bath Salts.—*O. H. M.*—The following is a simple formula for perfumed bath salts:—

Sodium sesquicarbonate	16 oz.
Sodium perborate	1 oz.
Perfume	q.s.
Colour	q.s.

A suitable perfume is lavender made as follows:—

Oil of lavender	8
Oil of rose geranium	2
Tincture of musk	2
Tincture of civet	1
Tincture of benzoin	2
Oil of bergamot	1
Isopropyl alcohol	4

Hair Straighteners.—*R. M.*—Below are given formulas for a gum- and a wax-type of hair straightener:—

I

(a) Glycerin	120
(b) Powdered soap	120
(c) Mucilage of tragacanth, 2 per cent.	500
(d) Beeswax	256
(e) Perfume	2.5
(f) Nipagin M	1.5

Add (a), (b) and (f) to the mucilage. Mix well and heat. Add (d) previously melted.

II

(a) Beef tallow, strained	700
(b) White beeswax	150
(c) Odourless castor oil	140
(d) Perfume	9
(e) Pyrogallol, pure	1

Melt (b) and (a), stir in (c), (d) and (e).

COMING EVENTS

Monday, July 4

West Kent Branch, Pharmaceutical Society, Central Library Hall, Beckenham, at 8 p.m. Annual meeting.

Tuesday, July 5

Commonwealth and Empire Health and Tuberculosis Conference, Central Hall, Westminster, London, S.W.1, at 10 a.m. Opening session (conference continues until July 8).

Wednesday, July 6

Sheffield Branch, National Pharmaceutical Union, Lecture Room, Nether Chapel, Norfolk Street, Sheffield, at 8 p.m. Meeting to elect delegates for October conference of N.P.U. branch representatives.

Edinburgh Chemists' Golf Club. All-day competitions at Kilspindie for Crookes trophy and Blyton Astley prize.

Northumberland and Durham Chemists' Golfing Society. Competitions at Morpeth for Reckitts cup and T.C.P. tankard.

Saturday, July 9

City and Hospitals Charity Athletic Contest, University of London Athletic Ground, Motspur Park, Surrey, at 3 p.m.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2, June 29

THE markets for PHARMACEUTICAL and FINE CHEMICALS have shown no special features during the past week. Trading in the home market has been on a routine scale with prices unchanged. Exports have been moving steadily at well up to recent levels. The new prices for ACETIC ACID (GLACIAL) and ACETIC ANHYDRIDE have been announced and represent reductions of from £7 to £8 per ton in the prices of the former, and £3 per ton in that of the latter product. They are retrospective and apply to goods dispatched on or after June 1. The CRUDE DRUGS market, with the exception of a small number of articles, has been quiet during the past week and many buyers have confined their orders to immediate requirements in anticipation of lower prices in the near future. Their optimistic view is, however, not entirely in keeping with the facts, for there are indications that firmer conditions may be expected in produce from India and the Far East. An instance is Sumatra BENZOIN, prices of which are high at origin, and spot goods are tending dearer. Chinese RHUBARB is a further example. There are no offers of rhubarb for shipment from Hongkong, and with an increased demand on the spot the market is firmer. African GINGER is dearer on the spot. There are still few offers of CARDAMOMS and quoted prices are high. On the other hand, ELEMI and Egyptian HENNA are easier, with inquiry lacking. Several recently-arrived parcels of CINCHONA BARK are offering, and prices have eased during recent weeks. New-crop BUCHU supplies are coming forward in greater quantity and prices range from 3s. 8d. to 3s. 9d. per lb., as to quality. In ESSENTIAL OILS markets, the principal feature has been the firmer position of Singapore PATCHOULI; spot quotations now range from 35s. to 37s. 6d. per lb. There are no firm offers of Java CITRONELLA and the market is normal. With supplies of COD-LIVER oil more plentiful, the Ministry of Food has revoked, from July 1, the Cod-liver Oil and Veterinary Oil (Control) Order, under which licences were required for the manufacture of these oils.

U.S. Drug and Chemical Report

New York, June 24

A FURTHER maker has announced an increase in ALCOHOL prices—the basic price will be 30 cents per gall. from July 1. A reduction in one producer's rates for COUMARIN of 25 cents per lb. will make the cost of a 25-lb. package $2.75 per lb.; for smaller quantities the quotations range up to $2.90 per lb. An increase is reported in the export demand for SODIUM BENZOATE. The market for MENTHOL has been rather easier, with quotations reduced from $11.25 to $11.10 per lb. and demand is light. China is reported inquiring for bids for future shipments of menthol. Demand for CRUDE DRUGS is on a low level and such export market products as CASCARA SAGRADA, HYDRASTIS and SENEGA are inactive. A feature of the week, however, has been a sharp rise in IPECACUANHA prices; Nicaraguan shippers had been able to obtain better prices from other countries, it was reported, and had turned down bids from U.S. houses. Spot quotations increased from $4.40 to $4.60 per lb. CANDELILLA WAX was marked up in price during the week, owing to lack of offerings, and a firmer tone is noted in CARNAUBA WAX. Californian cold-pressed ORANGE OIL has been reduced by 75 cents per lb. to $1.00 per lb. Prices of PEPPERMINT OIL are being shaded. New-crop LIME is expected to be available shortly, but, in the meantime, the remainder of last season's supplies of oil is commanding high prices.

Pharmaceutical Chemicals

ACETANILIDE. — Quotations for 1-cwt. lots in kegs are at 2s. 1d. per lb. for crystals and 2s. 2d. for powder.

ACETIC ACID.—Prices for dispatches on and after June 1 are as follows:—

QUANTITY	Glacial 99-100% B.P.	Glacial 98-100%	80% Pure	80% Tech.
	£	£	£	£
Minimum 10 tons spot, or contract over a calendar year ..	73	70	65	60
Minimum 1 ton spot, or contract over a calendar year ..	74	71	66	61
Minimum 4 cwt.	75	72	67	62
Less than 4 cwt.	80	77	72	67

Deliveries in carboys, £7 per ton extra; deliveries in demijohns, £11 per ton extra. Glacial acid cannot be supplied in carboys. Terms: Carriage paid, packages returnable at seller's expense; allowance for delivery in bulk, £1 per ton for minimum 2,500-gall. loads. Packages charged if not returned in good condition within six months.

AMMONIUM CARBONATE. — Lump, B.P., in 1-ton lots, packed in casks, is quoted at £52 10s. per ton. BICARBONATE, B.P., in 1-ton lots, packed in non-returnable drums, is quoted at £40 per ton.

BENZOIC ACID. — Makers' quotations for pharmaceutical quality are from 2s. to 2s. 10d. per lb., as to quantity.

BENZYL BENZOATE. — In limited demand. B.P. is quoted from 4s. 3d. to 5s. per lb., as to quantity.

BISMUTH. — Supplies of the principal salts are plentiful. Home-trade rates for 1-cwt. lots are: CARBONATE, 14s. 5d. per lb.; CITRATE, 12s. 1d.; SALICYLATE and SUBNITRATE, 12s. 4d.; SUBGALLATE, 15s. 4d.

BORAX.—Rates for B.P. are unchanged as follows: Granular, £38 per ton; powder, £39 10s.; powder, extra fine, £40 10s.; crystal, £39. Rates for commercial grades (99.5 per cent.) are: granulated, £27 10s.; powder, £30; powder, extra-fine (or crystal), £31. Smaller quantities are from 1s. to 5s. per cwt. more than the foregoing rates. Carriage paid (minimum 1-ton lots) in the U.K.

BORIC ACID.—Rates for B.P. grades are unchanged as follows: Granular, £60 per ton; powder, £62; powder, extra-fine, £64; crystal, £61. Rates for commercial are: Granular, £48 per ton; powder, £51; powder, extra fine (or crystal), £53. Smaller quantities are from 1s. to 5s. per cwt. more than the foregoing rates. Carriage paid (minimum 1-ton lots) in the U.K.

BUTOBARBITONE.—Makers' prices for small quantities are from 73s. per lb.

BUTYL CHLORAL HYDRATE. — In good supply; prices are from 17s. 6d. per lb.

CAFFEINE.—Makers' prices per lb. are: ALKALOID, anhydrous, from 33s. 6d. to 38s. 6d., and B.P., from 31s. 6d. to 36s. 6d.; CITRATE, B.P.C., from 18s. 6d. to 23s. 6d.; SODIUM BENZOATE, B.P., from 21s. to 26s.; SODIUM SALICYLATE, B.P.C., from 21s. 9d. to 26s. 9d.; SODIUM IODIDE, from 25s. 6d. to 29s. 6d. Assorted orders may be booked with the exception of caffeine and sodium iodide (theobromine alkaloid and salts may be included). Containers: 14-lb. and 28-lb. tins free; other packages charged extra. Carriage paid on orders of £20 value and over.

DIAMORPHINE.—Home trade rates, per oz: ALKALOID, ¼ oz., 54s. 6d.; 1 oz., 52s.; 2 oz., 50s. 6d.; 3 oz., 49s. 9d.; 4 oz., 49s. 6d. HYDROCHLORIDE, ¼ oz., 50s. 3d.; 1 oz., 47s. 9d.; 2 oz., 46s. 3d.; 3 oz., 45s. 6d.; 4 oz., 45s. 3d. per oz.

NICOTINIC ACID.—Quotations are about 40s. to 42s. per lb., as to quantity.

OXALIC ACID. — Quotations range from 133s. to 140s. 6d. per cwt., in 1 cwt. kegs. In 5-cwt. casks prices are about 5s. per cwt. less.

PANCREATIN.—Prices range from 12s. to 13s. per lb. for B.P. quality; U.S.P. standard is offered at from 13s. 6d. to 14s. 3d.

POTASSIUM ANTIMONYLTARTRATE. — Quotations are in the region of 7s. 10d. to 8s. per lb. The SODIUM salt is available at about 9s. per lb. for small quantities. OXIDE, B.P.C., is quoted at 6s. per lb.

SODIUM ALGINATE.—Current rates per lb. are as follows: 7-lb. lots, 7s. 3d.; 28-lb. 7s.; 1-cwt., 6s. 6d.

Crude Drugs

AGAR.—A steady inquiry for Kobé strip which is offering at from 13s. 6d. to 15s. per lb., according to quality. South African powder, in tins in cases, is quoted at 18s. 3d. per lb., spot.

ALOES.—Prime Cape is offered at from 110s. per cwt. on the spot; shipment, 105s., c.i.f. Curaçao is quoted at from 180s. to 185s. per cwt. on the spot, and Socotrine at 170s.

BALSAMS.—*Canada* on the spot is offering at from 15s. 6d. per lb.; new-crop, available end July, is quoted at 12s. 6d., landed. Pará *Copaiba*, B.P., 6s. per lb., on the spot. San Salvador *Peru*, 4s. 9d. per lb., duty paid. There are sellers of *Tolu* at 9s. 6d. per lb., spot.

BELLADONNA.—Jugo-Slav root is quoted at from 3s. 9d. to 4s. 9d. per lb., duty paid, as to test; shipment, 3s., c.i.f. Jugo-Slav leaves (B.P.) are offered at 4s. 2d., duty paid. English leaves are offered at around 5s. per lb., as to test.

BENZOIN.—A good spot inquiry. Sumatra block is offered at from £17 to £18 per cwt., as to quality; at origin, No. 1 is quoted at £18 10s., c.i.f. Sumatra free almonds are quoted at £45 per cwt. For Siam block (small almonds), £118 per cwt. is asked.

BUCHU. — A fair export inquiry. New-crop short rounds, on the spot, 3s. 8d. to 3s. 9d. per lb., as to quality; forward, 3s. 5d. per lb., c.i.f.

CALABAR BEANS.—Steady. Spot quotations are from 10½d. to 11d. per lb.

CAMPHOR.—A good demand for natural is gradually reducing spot supplies. Chinese tablets are offered at from 7s. 6d. (½-oz.) to 8s. (¼-oz.) per lb.; refined natural powder (B.P.), 6s. 3d. to 6s. 6d.; slabs (2½-lb.), 7s. 3d., spot, London, duty paid. English synthetic powder, B.P., is quoted at 5s. per lb., and technical at 3s. 9d. per lb., in 100-lb. lots.

CANTHARIDES. — An inactive market. Chinese on spot is offering at 7s. per lb.

CARDAMOMS.—Aleppy seeds reported quoted at 13s. 9d. per lb., while Mangalore seeds are offered at 12s. 9d.; Mangalore A's, bleached here, are quoted at 14s. 3d.; Aleppy greens, old-crop, at origin are 11s. 3d., c.i.f.

CASCARA SAGRADA.—Spot quotations are from 160s. to 170s. per lb., duty paid.

CINCHONA. — The market is somewhat easier. A parcel of Tanganyika *Ledgeriana*, good bright thin quilly chips (T.A., 9.04 per cent.; quinin. sulph. (B.P., 1948), 8.12 per cent.; cinchonidine, 0.96 per cent.) is offered at 2s. 11d. per lb., spot. Congo *succirubra*, fair reddish, bright branch, stem and root chips (T.A., 5.59 per cent.; S.Q., 2.39 per cent.; C., 0.97 per cent.) is quoted, ex wharf London, at 2s. 4d. per lb. A parcel of Tanganyika hybrid bright selected broken quill (T.A., 5.73 per cent.;

S.Q., 3.24 per cent.; C., 1.4 per cent.) is offering at 3s. per lb., spot. Uganda hybrid, dull and earthy root chips (T.A., 7.03 per cent.; S.Q., 3.43 per cent.; C., 0.87 per cent.), offered at 1s. 4d. per lb., spot. Uganda Loxa-type, branch and thin twiggy chips, mixed with small (T.A., 3.89 per cent.; S.Q., 2.08 per cent.; C., 0.35 per cent.), is quoted at 1s. 2½d. per lb., spot.

CLOVES.—Zanzibar, spot, unchanged at 1s. 1½d. per lb.; June-July shipment, 1s. 1d., c.i.f. Madagascar, in bond, 11d.; shipment, 10½d., c.i.f. Penang, spot, 3s.

COLCHICUM. — Corms on the spot are offered at from 5s. to 6s. per lb., as to test; seeds are offered at 13s. per lb., ex wharf.

COLOCYNTH.—White pulp (B.P.) on spot is quoted at 2s. per lb.; to arrive, 1s. 9d., landed.

DIGITALIS. — English leaves, from 2s. 3d. per lb.; powder, B.P., 5s. 9d.

DRAGONS BLOOD.—Singapore reboiled No. 1, £65 per cwt., spot; No. 2, £50 per cwt.; No. 3, £35, ex warehouse London.

ELEMI.—Quiet. Manila No. 1 gum is quoted at 1s. 11d. per lb., spot London.

GENTIAN.—French natural is quoted at 67s. 6d. to 70s. per cwt. on the spot. Lower prices are asked for Italian root.

GINGER.—African, on the spot, is quoted at 170s. per cwt.; June-July shipment, 170s. value, c.i.f. Jamaican No. 1, is quoted at 185s., spot; No. 2, 182s. 6d., spot; No. 3, 180s., spot, and 172s. 6d. c.i.f.

GUAIACUM RESIN.—Steady. Quoted from 2s. 4½d. to 2s. 6d. per lb., spot.

GUM ACACIA.—Steady. Kordofan cleaned sorts, on the spot, offering at 62s. 6d. per cwt.; shipment, 58s. 6d., c.i.f. Bleached No. 1, 125s., spot; to arrive, 115s., c.i.f. Talha, on spot, 45s. per cwt.; shipment, 38s. 6d. per cwt., c.i.f.

HENBANE.—B.P. herb (*niger*) on spot, 4s. 3d. per lb. Egyptian (*muticus*) at origin is quoted at 95s. per cwt., c.i.f.

HENNA.—An inactive market. Sudanese green leaves are offered at 85s. to 90s. per cwt., spot; at origin, 85s. per cwt., c.i.f. Indian leaves on spot, 80s. per cwt.; powder, 1s. 5d. per lb., spot.

IPECACUANHA.—Nicaraguan, on the spot, is quoted at 23s. to 24s. per lb. for f.a.q.; July-August shipment, 21s. 3d. per lb., c.i.f. Colombian 20s. per lb., spot; 19s. per lb., c.i.f. Matto Grosso, 25s. per lb., c.i.f.

LIQUORICE. — Anatolian natural root spot, from 38s. to 45s. 6d. per cwt.; Syrian, 40s.; Russian, 48s. 6d. to 50s. Italian block on spot, 160s. per cwt.; Italian stick, 295s. to 560s. per cwt., as to grade. Turkish block, 205s. to 210s. per cwt.; Turkish stick, 300s.; British block is quoted at 195s. per cwt.

LOBELIA. — Spot quotations are from 4s. to 4s. 3d. per lb.

MACE.—West Indian blade is quoted at 6s. per lb. on the spot; prices of pickings are from 2s. 6d. to 4s. 6d., as to quality.

MALE FERN.—A parcel on spot (3.02 per cent. filicin) is offering at 65s. per cwt.

MASTIC.—Small tears (No. 2) are offering at from 13s. per lb., spot.

MENTHOL.—Firm. Brazilian on the spot is quoted at 62s. 6d. to 65s. per lb., duty paid, as to quantity.

ORRIS.—Florentine root on the spot is offered at 115s. per cwt.

PAPAIN.—East African, on the spot, is offered at 13s. per lb.; Ceylon brown, quoted at 10s. per lb., spot.

PIMENTO. — Spot quotations are unchanged at from 1s. 1¾d. per lb.

PODOPHYLLUM. — Indian (*emodi*) is on offer at from 285s. to 315s. per cwt., ex wharf, as to resin content; American (*peltatum*), 250s. to 260s., duty paid.

PSYLLIUM SEED.—French black is quoted at 2s. per lb., duty paid; Indian (ispaghula), 120s. per cwt., spot.

QUASSIA.—Jamaican chips on the spot are quoted at from 30s. to 35s. per cwt.

QUILLAIA.—Natural bark on the spot is offering at 95s. per cwt.; cut bark, 125s. per cwt., crushed, 120s.

RHUBARB.—A steady business has been done in the better grades of root. Chinese rough-round, two-thirds pinky fracture, is quoted at 5s. 6d. to 5s. 9d. per lb., duty paid, in bond, 5s. 3d. per lb.

SANDARAC.—Old-crop material is offered at 5s. 3d. and new-crop at 5s. 6d. per lb., spot London.

SARSAPARILLA.—Jamaica native red, on the spot, is offered at 2s. to 2s. 2d. per lb.; Jamaican grey, 3s. 6d., spot.

SENEGA. — Spot quotations for old-crop are at 6s. 6d. per lb.; new-crop, July-August shipment, is offered at 5s. 9d., c.i.f.

SENNA—Tinnevelly leaves, spot, No. 1, from 9½d. to 11d. per lb.; No. 2, 7½d. to 8d.; No. 3, 6d. per lb.; Tinnevelly pods, hand-picked, 9d. to 1s. 5d.; manufacturing, 5d. to 6d. Alexandrian pods hand-picked, spot, from 4s. 9d. to 5s. 9d. per lb., nominal; medium grades are 3s. to 4s.; manufacturing, from 1s. to 1s. 9d. per lb. Alexandrian leaves, f.a.q., 1s. 2d. per lb.

SHELLAC.—F.O.T.N., pure, is quoted at 330s. per cwt., ex warehouse London; F.O. Standard 1, 365s., nominal; fine orange, 380s. to 410s. per cwt.

TRAGACANTH. — Selected white ribbon, spot, is steady at £90 per cwt.; other white grades, from £40 to £70; pale leaf, £33 to £35; amber flake, £20 to £25; red, £12; horgy, about £5 to £9 per cwt.

TURMERIC.—A firmer market. Spot quotations are from 112s. 6d. per cwt.; for shipment, 102s. 6d., c.i.f.; afloat, 105s., c.i.f.

VALERIAN.—Belgian natural is offering at 1s. 7d. to 1s. 8d. per lb., spot; cut and cleaned, 1s. 9d. per lb.

WAXES. — The markets generally are quiet and steady. BEES'.—Dar-es-Salaam, offered at 335s. per cwt., spot; July-August shipment, 327s. 6d., c.i.f. Sudanese, in bond, is at 310s.; June-July shipment is offered at 290s., c.i.f. Lindi is quoted at 330s. per cwt., spot; June-July shipment is offered at 322s. 6d., c.i.f. Benguela is at 305s. per cwt. in bond; June-July shipment, 275s., c.i.f. CANDELILLA.—Spot quotations are dearer at 287s. 6d.; July shipment, 280s. per cwt., c.i.f. CARNAUBA.—Prime yellow is steady at 685s. per cwt., spot; shipment, 610s., c.i.f. Fatty grey, on spot, is 445s. per cwt.; shipment, 430s., c.i.f. Chalky grey is quoted at 440s. per cwt., spot; no shipment offers. MONTAN.—Reibeck is easier at 190s. per cwt., spot; forward, 180s., c.i.f. OURICURI.—99.5 per cent. is quoted at 420s., c.i.f. Spot quotations for 7.5 per cent. are at 425s. per cwt.; 2 per cent., shipment, is offered at 410s., c.i.f.

Essential and Expressed Oils

ALMOND.—Sweet oil, B.P., is easier on the spot at from 3s. 6d. to 4s. 6d. per lb. Bitter oil is quoted at from 27s. 6d. to 60s. per lb., as to grade.

ANISE.—Quotations for Chinese Star on spot are around 5s. 6d. per lb. in drums, and from 5s. 9d. per lb. in tins in cases.

CITRONELLA. — Ceylon on the spot is offered at from 4s. 4d. per lb.; July-August, 4s. 1d., c.i.f.

CORIANDER.—Steady. English-distilled is quoted at about 250s. to 280s. per lb.

DILL.—English-distilled oil is quoted at from 65s. per lb. for B.P. quality.

GERANIUM.—Bourbon on spot is offered at 56s. to 60s. per lb.; African is quoted at about 60s. per lb., spot.

JUNIPER BERRY.—Czechoslovak is quoted at from 17s. 6d. to 20s. per lb., spot. English, 70s.; B.P.C. grade, 24s. to 25s.

LAVENDER.—French, 38-40 per cent., on spot, is quoted at from 14s. to 16s. per lb.; 40-42 per cent., 15s. to 17s. Spanish spike is from 7s. 3d. per lb., spot.

LEMONGRASS. — Spot quotations are at 8s. 6d. per lb., no offers forward.

LIME.—West Indian on spot is firm at from 36s. to 37s. 6d. per lb. upwards.

NUTMEG.—Prices of English-distilled oil are at 35s. to 37s. 6d. per lb.; second-grade, 25s. per lb.

PALMAROSA.—Nominal spot quotation is 35s. per lb.; shipment, 32s. 6d. per lb., c.i.f.

PATCHOULI. — Singapore is now quoted for shipment at 35s. per lb., c.i.f. The spot market is firm and tending dearer.

PIMENTO BERRY. — English-distilled oil, from 57s. 6d. to 65s. per lb. and upwards as to quantity.

ROSEMARY.—Spanish on spot is offered at 6s. to 7s. 6d. per lb., as to quantity.

TEASEED. — Spot quotations for refined oil are from 25s. per gall.

TI-TREE.—Quotations are from 6s. 6d. to 8s. per lb., according to quantity.

HERB CROP REPORTS

Perks & Llewellyn. — The young LAVENDER plants are in fine condition and should produce a good crop. Older plants were affected by a late frost which will delay the harvest.

Bruce, Starke & Co., Ltd.—The very dry weather we have had this year right through the Spring has prevented us from planting out the new acreage we had earmarked for CHAMOMILE. Since then, there have only been one or two showers, and so far as we can see the crop this year will be very small indeed. We hope, however, to be able to plant out in the autumn that acreage which we were unable to do earlier in the year. LAVENDER. — This crop is looking very well indeed and we anticipate a larger yield this year than normally. ANGELICA.—This is growing well, but acreage is still small and we hope to increase it within the next year or two. PEPPERMINT.—The plant this year is very healthy and we anticipate a normal yield.

Joseph Flemons & Sons, Ltd.—On the whole, supplies of medicinal herbs, etc., are likely to be fairly normal, as the showery weather in May, after a rather dry period, assisted vegetation. Wild herbs, etc., which will be quite plentiful this year, and for which all likely demands should be met, include: BITTERSWEET, BROOM, BURDOCK, CARROT (WILD), CHAMOMILE, COMFREY, CONIUM, DANDELION HERB, DIGITALIS, ELDER LEAVES, FLOWERS and BERRIES, HOREHOUND (BLACK), MALE FERN ROOT, MARJORAM, MEADOWSWEET, MUGWORT, RAGWORT, RASPBERRY LEAVES, ROSE HIPS, TANSY, THYME, WATER BETONY, WOUNDWORT and YARROW. There will be limited supplies only of: WHITE BRYONY ROOT, COLCHICUM CORMS, CONIUM SEED, HAWTHORN BERRIES, HEARTSEASE, WATER MINT, MOUSEAR, RED POPPY PETALS and ST. JOHN'S WORT. Herbs, etc., which are always difficult to obtain in large quantities, include: AGRIMONY, BURDOCK SEED, CENTAURY (RED), COLCHICUM SEED, DIGITALIS SEED, EYEBRIGHT, PARSLEY PIERT, PELLITORY-OF-THE-WALL, PULSATILLA, SCULLCAP, SELFHEAL, VALERIAN ROOT, WOOD BETONY and WOOD SORREL.

TRADE MARKS

(*From the "Trade Marks Journal," June 22*).

For photographic sensitised paper (1).—"TRANSFEROTYPE"; by Kodak, Ltd., London, W.C.2; B656,773.

For agricultural and horticultural chemicals (1).—"HEXIDOLE"; by J. R. Geigy Société Anonyme (J. R. Geigy Aktien-Gesellschaft), Basle; 667,943. "FIXOPHYTE"; by Ciba, Ltd., Basle, Switzerland. 672,531.

For shampoos, hair lotions and cosmetic preparations (not being toilet preparations) (3).—Device of hand mirror and bow; by Herbert Crosby & Co., Ltd., London, W.1; 660,240.

For shampoos (3).—"KIDDILOKS"; by William E. Baldwin, Harlow; B665,369.

For hair preparations (3).—"LILT"; by Thomas Hedley & Co., Ltd., Newcastle-on-Tyne; 671,542.

For non-medicated toilet preparations (3).—"CANDLE GLOW"; by Zurka Perfumes, Ltd., Morden; 671,617. "SECRET DE VENUS"; by Parfums Weil Paris, Paris; B672,983. "CIRCE"; by Premier Soap Co., Ltd., Hull; B673,496. "SUCAROTTE"; by Société des Produits Xerol, Paris, 673,957. "OBLIGATO"; by Lentheric, Ltd., London, W.1; 674,646.

For detergents (3).—"BRAVO"; by Premier Soap Co., Ltd., Hull; 673,041.

For dentifrices (3).—"SELGIN"; by J. R. Geigy Société Anonyme (J. R. Geigy Aktien-Gesellschaft), Basle; 673,353. "CARODENT"; by Naxan Laboratories, Ltd., Glasgow; 674,198.

For insect-repelling preparations (5).—"BAIFLI"; by Gent's Chemical Products, Codner; 650,182.

For all goods (5).—"KALANTOL"; by May & Baker, Ltd., Dagenham; 655,208.

For medicated ointment for the skin (5).—"DERMOLIA"; by Duncan, Flockhart & Co., London, E.C.1; 663,657.

For disinfectants (5).—"FLASH"; by Black's Products Co., Leicester; 667,629. "EMSIL"; by Martin & Martin, Ltd., Southport; 674,802.

For pharmaceutical preparations (5).—"HALYCITROL"; by The Crookes Laboratories, Ltd., London, N.W.10; 662,847. "FORMO-THIAZAMIDE" (in distinctive lettering); by May & Baker, Ltd., Dagenham; B669,296. "BIPHAL"; by Percy Hall, London, W.8; 671,012. "HAEMORRSED"; by Warrick Brothers, Ltd., London, N.1; 673,583. "SANEVAN"; by Evans Medical Supplies, Ltd., Liverpool; 675,628.

For fungicides used in agriculture and horticulture (5).—"SHIRLAN"; by Plant Protection, Ltd., Yalding; 667,629.

For weed- and vermin-killing preparations, insecticides, fungicides and disinfectants (5).—"HEXIDOLE"; by J. R. Geigy Société Anonyme (J. R. Geigy Aktien-Gesellschaft), Basle; 667,944.

For crêpe rubber bandages (5).—"NU-PLAST"; by C. Gethin & Co., London, S.W.2; B672,129.

For pharmaceutical preparations, surgical plasters, etc. (5).—"TROMEXAN"; by J. R. Geigy Société Anonyme (J. R. Geigy Aktien-Gesellschaft), Basle; 673,818.

For razors, razor-blades, etc. (8).—"FINTOLA"; by Finlay & Co., Ltd., London, N.19; 659,049.

For manicure implements (8).—"NAYLON"; by Schnefel Bros., Corporation, Newark, U.S.A.; 673,618.

FIFTY YEARS AGO

Dartford *en Fête*

(*From the C. & D., July 1, 1899*).

MR. WELLCOME . . . some time ago acquired the old Manor House, Acacia Hall, with its grounds and various buildings, and these he has had adapted for the use of the employés as a Club and Institute. It was the inauguration of this that made Dartford gay last Saturday. . . . After the company from London had witnessed from the station-platform a smart piece of drill by the works' fire-brigade, they assembled in the parish church, where the Rev. Percy E. Smith, Vicar of Dartford, conducted an undenominational service before a congregation of nearly 1,000. The fine old church was beautifully decorated, and the service was fully choral. To the prayers for the Queen and Royal Family was added one for the President of the United States and the fraternity of the English-speaking peoples. This over at about noon, a handful of the visitors and principal employés accompanied Mr. Wellcome from the church to the gate of the Club a few yards beyond, where Mr. R. Clay Sudlow, the general manager, on behalf of the staff, presented his chief with a golden key to open the gate, which Mr. Wellcome did, saying, "This Club and Institute is open, and may God bless the Club."

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Retail **1/3** each
8/6 doz.
plus P.T. ⅓rd

NON-POISONOUS
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(Rideal-Walker Test)
FORMS A CLEAR SOLUTION IN ALL PROPORTIONS WITH WATER
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16 oz.
Retail **3/9** each
25/3 doz.
plus P.T. ⅓rd

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Established 1741. & COMPANY LIMITED, **LONDON. E.6**

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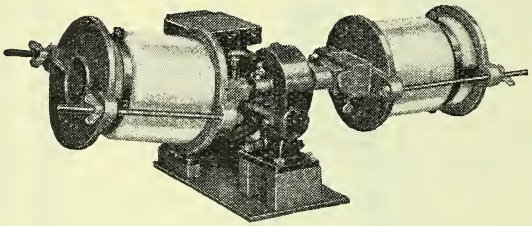
the laboratory unit with a new angle on mixing



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Belfast Telegraph
The newspaper with the largest circulation and the established goodwill of the people throughout the whole of this important industrial and agricultural part of the UNITED KINGDOM

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Further information, samples and quotations on request to Dept. PA.1.
PUREMOR LTD
Distributors for
MANCHESTER OIL REFINERY LIMITED
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BRITISH REFINED OILS

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SEAMLESS MOULDED BULBS

(with or without metal valves)

These Bulbs are something quite new, each being seamless moulded on a steel core. They should not be confused with the "Blown" type of Bulb. Standard 2oz. Bulb.

Send us your enquiries which are welcome and will receive our immediate attention.

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Telephone: FLAXMAN 6200 0985/6. ESTABLISHED 1889. S.W.10

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INDUSTRIAL *and* FINE CHEMICALS

including:

HYDROGEN PEROXIDE

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LAPORTE CHEMICALS LTD., LUTON.

Telephone: Luton 4000 Telegrams: Laporte Luton.

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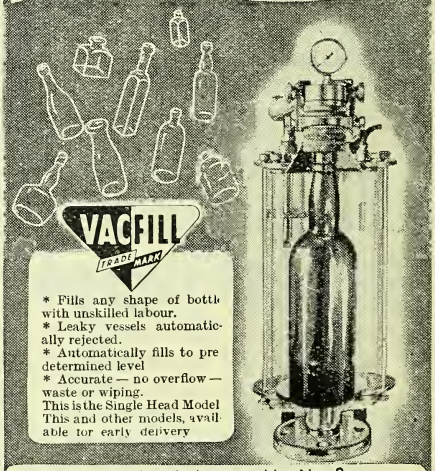

VACFILL TRADE MARK

* Fills any shape of bottle with unskilled labour.
* Leaky vessels automatically rejected.
* Automatically fills to pre determined level
* Accurate — no overflow — waste or wiping.

This is the Single Head Model This and other models, available for early delivery

Write for descriptive pamphlet No 8

Manufactured by:

BUSBY, WINTER & CO. LTD.

Vacfill Works, Andover Place, London, N.W.6

for

GALENICALS
TABLETS
CAPSULES
VACCINES
AND
PENICILLIN
PREPARATIONS

OUR QUALITY AND SERVICE ARE UNSURPASSED

Duncan

DUNCAN, FLOCKHART & CO. LTD.

EDINBURGH
AND
LONDON

Favourite with women the world over

★ Simply remove the perforated strip and the plain box is ready for sale.

KOTEX

SANITARY TOWELS
WITH LOOPS

New 1/10d. per Box (C.P.R.C Approved)

CELLUCOTTON PRODUCTS LTD., 33/34 AYLMER PARADE, LONDON N.2

IT'S THE BEST
TAMPON
VALUE
ON THE MARKET!

ITS
QUICK SALES
MEAN
QUICK PROFITS!

IT'S WELL ADVERTISED
-AND DISPLAY
MATERIAL IS
AVAILABLE NOW!

it's

holly-Pax
FROM HOLLYWOOD

MODERN INSERTION TYPE
SANITARY PROTECTION

★ Holly-pax appeals to women because of its excellent value—quite apart from its great advantages and amazing compactness. It's equally attractive to stockists because it sells quickly, meaning quick profits.

Sole Distributors :
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IF IT'S
"MADE BY IOCO"
—IT'S GOOD

- "Arliss" Pneumatic Cushions and Air Beds, light in weight and easily inflated.
- Hospital Bed Sheeting, Jaconettes and Batistes.
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- Hand-made Hot Water Bottles of excellent quality.

Write for full lists

IOCO LIMITED
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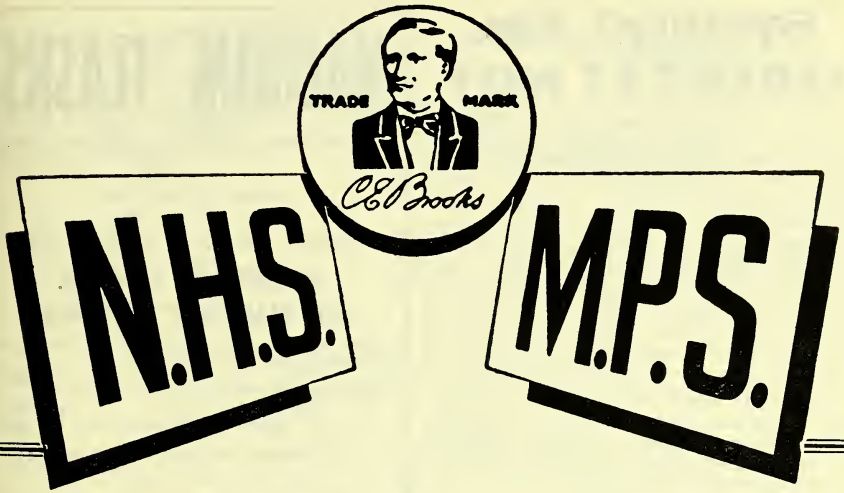
'Pharmitex'
PURE
TOILET TISSUE
is post war quality and for *Chemists only.*

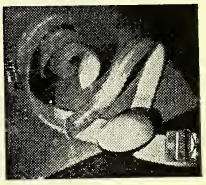
HAROLD WESLEY LTD.
HARLEY MILLS, LONDON, N.W.10



The arrangements for the supply of BROOKS RUPTURE APPLIANCES

For HERNIA of all kinds, the medical profession has, for many years, prescribed the fitting of BROOKS RUPTURE APPLIANCE.

Under the NATIONAL HEALTH Pharmaceutical Service, registered chemists are appointed distributors of prescribed appliances, and we welcome this co-operation. May we send you full particulars of our service?



A. *Brooks Automatic Air Cushion Pad — hygienic detachable rubber dome, takes in and exhausts air with every movement.*

Illustrated are two types of BROOKS APPLIANCES—typical of our very wide range. A special point of our service is that we make and supply within a week of receiving the measurements. Measure Forms, Show Cards, Catalogues and Leaflets supplied on request.

B. *Brooks Hand-made Air Cell Pad for Scrotal ruptures. Thousands of air cells adapt themselves to the body. Cannot puncture or lose shape.*

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Equality? Yes LIBERTY? NO!

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WHERE CORKS ARE CONCERNED, we're simply tyrants. No nonsense about fraternity! We glory in grinding out every particle of individuality from our corks, with calculated sadism and devastating efficiency.

From the moment it is torn from some protesting tree in the forests of Spain, our cork undergoes the most brutal treatment. Only the very best can stand it. After being boiled, scraped, pressed, and baked in the dreaded "hot-box," it's well on the way to terrified uniformity.

Then, to complete the process, individual stoppers are punched out of it; and these are given such a tapering, bevelling, sanding, notching, sterilizing and branding as to make a professional torturer jealous.

Just wrong, by 1/63rd of an inch. And what a fate!

If, after all this, there remains even 1/63rd of an inch of individuality about a cork—away it goes, ignominiously, to make by-products. Only *perfect* corks survive.

We believe that where corks are concerned, most of our customers are good totalitarians, and agree with us that corks should be absolutely regular in quality and size, indistinguishable from each other. If that's how *you* feel—we should be glad to show how well we can meet your strictest requirements. Armstrong Cork Co. Ltd. (Closure Division), Kingsbury, London, N.W.9. Tel. Colindale 7080. Scottish Branch: 5 Oswald Street, Glasgow, C.1. Tel. Central 5703.

FREE ON REQUEST. *The handy Armstrong string of standard cork sizes shows at once what size you want—whether for dispensing or for ordering supplies. May we send you one?*

ARMSTRONG'S CORKS

CORKS · CROWN CORKS · MOULDED CAPS

VACUUM FLASKS

in attractive colours at popular prices

London Delivery Free

Special Terms to Wholesalers

SPECIAL OFFER of Rubber Gloves

Heavy Gauge Rubber Gloves	16/- doz.
Medium Gauge Rubber Gloves assorted sizes	14/- doz.
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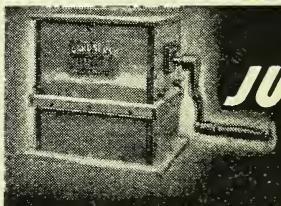
Household Rubber Gloves, Size 7 only	8/- doz

Your Sundries may be delivered weekly by our own vans in London and Suburbs

Please send for our FREE C. D. price list or 'phone AVEnue 4966 Ext. 1

L. FRANKENBERG LTD

37 HOUNDSDITCH, E.C.3



THIS *JUNIOR* MEMBER OF

GARDNER'S

FAMILY OF SIFTERS

The "INDISPENSABLE" Sifter will gently sift a variety of powders as quickly and efficiently as its big brothers. Being easily accessible it can be quickly cleaned and is ideal for counter or sample work.

Wm. Gardner & Sons (Gloucester) Ltd.
Bristol Road, Gloucester
Phone: 21261 *(3 lines) Grams*: *Gardner, Glos.*
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GRAFTON films

An entirely new name in the sphere of quality films. A new base, a new emulsion. Panchromatic; anti-halation backed; 28 Sch. Please do not confuse our product with re-rolls or adaptions.

To provide proof of our claims we will supply sample dozen lots upon receipt of 26/6d. or with tax declaration, 15/6d.
This offer is open to recognised dealers and chemists only with a guarantee to refund cash if not satisfied.

SIX EXPOSURES
Price '20' sizes £9 6s. 0d. per gross plus tax £6 12s. 0d.
Price '127' sizes £7 16s. 0d. per gross plus tax £5 12s. 0d.
Terms :—Cash with order, pro forma invoice or C.O.D.

We regret to announce that we are unable, at the moment, to accept any new customers for our D. & P. service.

Enquiries to:

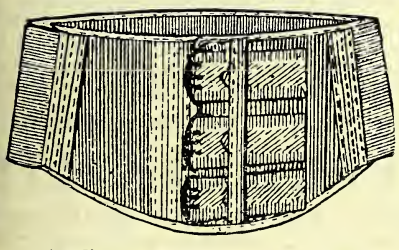
JONES & BAILEY LTD

66/72 BREWERY ROAD, LONDON, N.7
Telephone: NORth 2533 Telegrams: Certito, Holway, London

"Clifton"

Brand

SURGICAL APPLIANCES and SUNDRIES
ABDOMINAL BELTS and CORSETS
SUSPENSORY BANDAGES
JOCK STRAPS ELASTIC HOSIERY
TRUSSES CHEMISTS SUNDRIES



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Special terms to wholesalers
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CHARLES WILLIAMS & Co.
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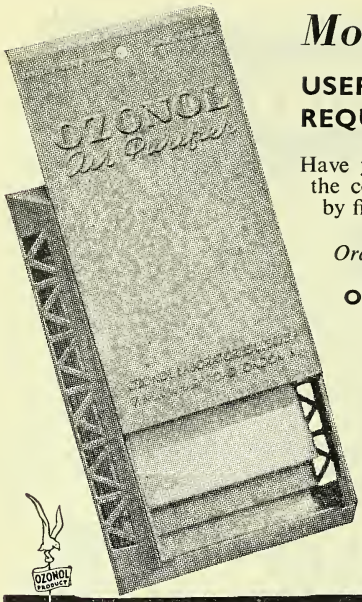


More than Half a Million

USERS ARE ASKING FOR REFILLS—OTHERS REQUIRE NEW OZONOL CABINETS

Have you stocks to meet the ever-increasing demand and the consequent repeat business which is being stimulated by first class National publicity?

Order from your wholesaler or direct from the manufacturers

OZONOL Air Purifier complete:
Retail—5/10d. each
Trade—42/- per doz. + P.T.

REFILLS: *Retail—2/- each*
Trade—18/- per doz. TAX FREE

OZONOL

—the popular **AIR PURIFIER** ever since 1927

OZONOL LABORATORIES (1930) LTD. New Wharf Rd. LONDON. N.1. TERminus 3727 & 6660

OVER 35,000 *already sold*

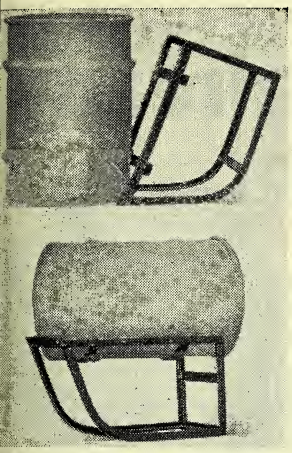
The OUTFIT, comprising 8 oz. bottle of Rentokil Timber Fluid complete with injector, retails at 10/6

The Rentokil Junior Injector (for forcing timber fluid into wood worm flight holes) has already 35,000 satisfied users. Advertisements are now appearing in *The People, News of the World, Sunday Empire News, Daily Mail, Express, News Chronicle, etc., etc.* Hundreds of letters are being received from the public asking where the injector can be obtained locally — DON'T LOSE A SALE—When your customers ask for the Rentokil Junior Injectors, MAKE SURE YOU HAVE THEM. If you haven't

WRITE OR PHONE IMMEDIATELY TO

RENTOKIL LTD

SCHOOL LANE, FETCHAM, LEATHERHEAD SURREY *Telephone:* LEATHERHEAD 4021/2



If you are using Drums you should have some of our

DRUM - STANDS

Height 19"—£3 15 0
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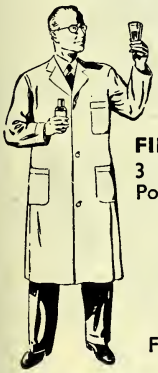
Ask for our lists for Trucks and Barrels of every description

TYNE TRUCK & TROLLEY CO. LTD.

66/68 NORTHUMBERLAND ST., NEWCASTLE-ON-TYNE Tel: Newcastle 24252

GARDINER'S FOR COATS



LONG COATS

WHITE DRILL
3 Outside Pockets

FINE WHITE DRILL
3 Buttons, 3 Outside Pockets, Chest 32" to 46"

ALL SHRUNK

WRITE OR PHONE FOR PARTICULARS

Gardiner & CO. (The Scotch House) Ltd.
1, 3 and 5 COMMERCIAL ROAD, LONDON, E.1
Opposite Aldgate East Station. Phone: BIS 6751 (3 lines)
Branches: DEPTFORD, S.E.8; WOOLWICH, S.E.18; CLAPHAM, S.W.11.

MIXING MATTERS

Different liquids present different problems and when it comes to mixing, an efficient solution lies in the use of a Mitchell mixing unit. From a wide range we can supply models that will agitate anything from ½ gallon to 50,000 gallons. Increase output and lower operating costs by installing a Mitchell mixer.

MITCHELL
RAPID MIXING & STIRRING UNITS

L. A. MITCHELL LIMITED
37 PETER STREET · MANCHESTER 2

MX.36

THIS HANDY PLASTIC CONTAINER IS

increasing the already great demand for KORAY

Those thousands who regard KORAY as their "First Aid" in case of pain are making this plastic container their constant companion. It holds 5 tablets and fits into a waistcoat pocket or the smallest handbag.

There is a container in every one of the neat, "Cellophane"-wrapped packs of KORAY 28's and 64's. These larger sized packs of KORAY tablets give you a good profit margin and are excellent counter-lines. They are backed by powerful national advertising and create that goodwill which is only associated with a tried and proved product of quality.

The 10 tablet pack, recently re-designed, will act as an introduction to those who are not yet fully aware of the thoroughly dependable analgesic qualities of KORAY.

Send your order now to:

KORAY LTD., GOLDEN MILE WORKS, BRIDGEND, GLAM.

For a good big share of the holiday trade

STOCK THIS *New* SUMMER SELLER

MACLEAN-KIT

HOLIDAY - PACK

Order now

Here's the ideal, handy pack for holiday travel, containing a tube of **MACLEANS PEROXIDE TOOTH PASTE** and a **MACLEANS NYLON TOOTHBRUSH.** Retail price per **MACLEAN-KIT** including purchase tax—2/8. Send in your order NOW. Don't miss a day of a holiday season that will be very profitable to all stockists of the attractive **MACLEAN-KIT.**

Retail Price (inc. tax)	Price per dozen		
	Standard Wholesale	Direct Buyers	Purchase Tax
2/8	18/10	16/6	6/3 1/3

MACLEANS LTD., GREAT WEST ROAD, BRENTFORD, MIDDX. *Phone: Ealing 6616. Wires; Macleans Brentford*

Selling Points

Superior 'feel' and flexibility; supple, accurately-cut teeth; resistance to hair dressings and sterilising fluids; durability.

Combs illustrated are (left to right), Dressing Combs 1007/7, 1515/7½, Handled Comb 290R and Bobette Comb 2287/5. Order through your Wholesaler. Many other popular lines available today include Tail Comb 282/8, Gent's Dressing Comb 1131/7 and Ladies Dressing Comb 1553/7½. Send for list.

NORTH BRITISH

Vulcanite Combs

BETTER FOR THE HAIR

THE NORTH BRITISH RUBBER CO. LTD., EDINBURGH, LONDON and BRANCHES

It must be remembered

that 'Dettol' Ointment is both sedative and germicidal. Where a dressing of this dual nature is required—as, for instance, in treating rashes due to external causes—such as urine rashes in the old—it provides both immediate soothing and prolonged protection against the risks of secondary infection.

'Dettol' Ointment, softening, cooling and sedative, brings relief from burning and irritation. And because it embodies the active germicidal principle of 'Dettol' antiseptic, it is most helpful in clearing up skin disorders for which an antiseptic yet emollient dressing is indicated.

'DETTOL' OINTMENT
BRAND

Soothing, actively antiseptic

RECKITT AND COLMAN LTD., HULL AND LONDON
(PHARMACEUTICAL DEPT., HULL)

THE CHOICE OF DISCRIMINATING WOMEN IN THIRTY DIFFERENT COUNTRIES

A NEW CONTRACEPTIVE

★ The result of prolonged biological and clinical research Rendell-Foam sets a new standard in the technique of contraception and will be widely prescribed when conception control is either necessary or desirable.

RENDELL-FOAM

★ Rendell-Foam is completely spermicidal and remarkably rapid in action. It is non-irritant, free from any objectionable odour, non-greasy and free from all insoluble substances.

★ It will keep indefinitely and is not affected by climatic conditions.

OTHER RENDELL PRODUCTS

RENDELLS
The World's Most Famous Contraceptive

SANTRON
The Modern Germicide

SANTRON CONCENTRATE
Health Service in a Tube

MENSINOLE
For Period Pains

Rendells PRODUCTS for FEMININE HYGIENE

W. J. RENDELL LTD., Manufacturing Chemists, 161-5 Rosebery Avenue, London, E.C.1. England

A Brighter Future . . .

There is good news for our customers at last. An increase in deliveries of raw material means that some increase in supplies will be available to our stockists in the months ahead. As is our usual policy the benefits of this increased production will be passed on in the form of a reduction in price. Stanex and Andrex toilet tissues and Stanex paper handkerchiefs are effected by this price change and our revised price list appears below.

In the meantime we are most grateful to our old customers and to the hundreds of potential-customers for their patience and understanding of our unique and most difficult position.

ST. ANDREW MILLS' PRODUCTS include:

		RETAIL PRICE (*incl. Pur. Tax*)
ANDREX	The softest Toilet Tissue—made entirely of the purest materials	1/0d. per roll
ANDROL	A glazed paper of high quality	1/1½d. ,, ,,
STANEX	Absorbent unglazed paper *not* harsh or bulky crepe.	11d. ,, ,,
MARVO		9½d. ,, ,,
SAMARITAN		8d. ,, ,,
ANDREX PAPER KITCHEN TOWELS (Now free of Purchase Tax)		1/9d. ,, ,,
STANEX PAPER HANDKERCHIEFS (Now free of Purchase Tax)		(per packet of 40 handkerchiefs) 6d.

Wholesale only:

ST. ANDREW MILLS LTD.

TELEPHONE: LARKSWOOD 1014-5-6

WALTHAMSTOW, E.17

THIS SUMMERS BEST SELLER

Cox's

Inventors of the first D.D.T. flypapers

introduce THE NEW ARTISTIC COLOURED

D.D.T. PARROT

GUARANTEED 100% IMPREGNATED

EACH CAN KILL 10,000 FLIES

ORDER NOW retail 4½D each

Also Cox's Original Flypaper 3d.

JAMES COX & CO.
(Manufacturing Chemist)
368 Northolt Road
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Tel: BYron 4326

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MANUFACTURERS' REPRESENTATIVES AND WHOLESALE DISTRIBUTORS
P.O. BOX 1689 JOHANNESBURG
SOUTH AFRICA

Sole Distributors and Stockists for REVLON EXPORT Corp., NEW YORK, also VIV Pharmaceuticals Ltd., WINCHESTER, England, etc.

SEEK REPRESENTATION for non-competitive Agencies In TOILET, PATENTED and PROPRIETARY PREPARATIONS for the UNION of SOUTH AFRICA, Northern & Southern Rhodesia, Portuguese East Africa, S.W. Africa and Nyassaland.

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For all our Purchases cash payments in London

SHOWCARDS CARTONS & BOXES DISPLAYS
PRINTED OR PLAIN
OF EVERY KIND, FOR EVERY PURPOSE
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BRINKSWAY, STOCKPORT.
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TRANSPARENT BOXES

MANUFACTURERS OF
TOILET ROLLS AND
INTERLEAVED TOILET PACKETS
WITH MODERN PLANT
INVITE TRADE ENQUIRIES FOR HOME & EXPORT
LIPTON'S PAPER MILLS, LTD.
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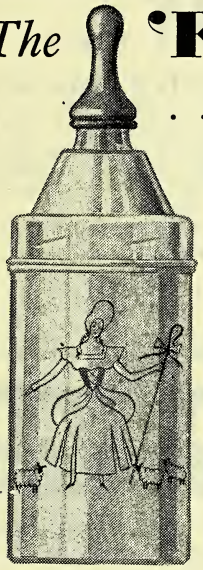
SURE-SELLING STOCK!
OVER 150 YEARS REPUTATION
KEARSLEY'S
THE ORIGINAL
WIDOW WELCH'S PILLS
9d. BOX PROFIT by ordering 1 dozen 3/3½ size. Bonus box given on every dozen (13). It pays to push this size.
C. & G. KEARSLEY LTD.
71 Dartmouth Rd., London, S.E.23
Est. 1787

The 'Feedrite' baby feeder

Patent applied for



. . . the last word in the evolution of the

PERFECT FEEDER

★ The "FEEDRITE" keeps milk at the correct temperature during the entire feed.

★ The "FEEDRITE" is an attractive addition to baby's trousseau. The pink container with blue nursery rhyme motif makes instant appeal.

★ The "FEEDRITE" protects the bottle against breakage.

★ Only genuine Pyrex bottles are used.

★ Every "FEEDRITE" presented complete (but without teat) in a pleasing individual carton.

Wholesale **39/-** Per dozen

Quantity terms on application

Manufactured by:—

Morley, Rogers & Company

Telephone: Liberty 3443 ***300 KINGSTON ROAD, LONDON, S.W.20***

Now available

NEW, IMPROVED ARRID

over 8d. profit for you on every jar you sell! Retail price 2/5 including purchase tax

—the cream deodorant which also stops perspiration

WOMEN are clamouring in the shops for Arrid—the world's biggest-selling cream deodorant which also stops perspiration. Advertising is being increased, and with a strong national campaign running, the demand will be something terrific!

Arrid sells on sight, and you make over 8d. on every jar. Easy, quick profits, and satisfied customers who'll come in for other goods! You'd be well advised to stock up without delay.

ORDER ARRID NOW!

***Details of special terms for ARRID, Carter's Little Liver Pills, and other products from* THOMAS MARNS LTD., 2 CAXTON STREET, LONDON, S.W.1**

It will PAY to DISPLAY . . .

this attractive showcard

The new coloured aluminium Cellusan showcard quickly catches the eye of the busiest customer. As a gentle reminder of the fine quality of Cellusan Soluble Sanitary Towels, it is a business-getter. It will pay you well to display this card and to maintain a good stock of Cellusan Towels. Write to us to-day !

LOOPED — IN PACKETS OF 12

TERMS

TRADE - 15/9 *doz. pkts.*
RETAIL - 1/9 *per packet*

Cellusan Towels conform to the agreed standards of The Association of Sanitary Towel Manufacturers.

CELLUSAN
SOLUBLE SANITARY TOWELS

The CELLUSAN CO., LTD
ESSEX ROAD, LONDON, N.1
CLISSOLD 4761 (4 lines)

At your service for

PROPRIETARY ARTICLES
PHARMACEUTICAL PREPS.
DRUGGISTS' SUNDRIES
DRESSINGS

N. & M. GOULD LTD.

Wholesale Chemists' and Druggists' Sundriesmen

62, 64, 66, STONEY LANE
LONDON, E.C.3
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PROPAX
DOUBLE POWER
TABLETS

Really Stop Pain

A double power analgesic in ever increasing demand. Prompt delivery from all wholesalers or direct from

SPLENDOR LTD.

4d, 7½d, 1/7 and 2/9 Incl. P. Tax.

LONDON and NOTTINGHAM

P.A.T.A.

As an Antacid
or in febrile conditions
Invalid
Lembar
justifies the doctor's highest recommendation
Available in limited quantities

Soluble extract of
Barley ... 7.4%
Sugar ... 23.7%
Glucose ... 10.4%
Lemon Juice 37.0%

Plus Flavouring and permitted preservative

The above percentages are expressed in weight per given volume

MADE BY RAYNER AND COMPANY LIMITED, LONDON, N.18

Compressed tablets of :-

BUTOBARBITONE

CYCLOBARBITONE

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T. H. WALTON & Co. LTD
MANUFACTURING CHEMISTS
Laboratories and Works **BATLEY**

Building up business in your area!

HAVE YOU HEARD ABOUT TERRY THE TERRIER?

SPRATT'S YEAST TABLETS

WHAT DID PEGGY DO for PRINCE?

SPRATT'S CONDITION POWDERS

WHAT WAS IRRITATING 'JOCK' AND 'JANIE'?

SPRATT'S "MANGEX"

Keep your Cash register ringing!

DISPLAY AND SELL MORE

SPRATT'S

CANINE HEALTH PREPARATIONS

Trade terms, etc., can be obtained from :

SPRATTS' PATENT LTD.

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JOHN KNOX · JOHN KNOX · JOHN KNOX

A Selection from the Jaynox Range of Chemists Sundries

Jaynox Watch Spring Pessaries — all sizes each in carton	33/-	dozen
Jaynox Enemas — complete with fittings ...	49/-	dozen
Jaynox Nipple Shields each in carton ...	7/-	dozen

JOHN KNOX (STOKE-ON-TRENT) LTD

Jaynox Works, King Street, Fenton, Stoke-on-Trent.

P.A.T.A.

John Knox (Midland) Ltd., 26/38, Dean St., Birmingham,

JOHN KNOX · JOHN KNOX · JOHN KNOX

F

We are frequently being asked for tax free dispensing packs of

DIUROMIL

The authorities have ruled that, owing to Piperazine Citrate and Tartrate being compounds of specified substances and not themselves specified in the official publications

DIUROMIL CAN NOT BE OFFERED IN A DISPENSING PACK

PHARMAX LIMITED

THE ORGAN WORKS

OLD HILL · CHISLEHURST · KENT

EDME

"Autumn Sun"

EXTRACT of MALT with COD LIVER OIL

AND FLAVOURING. B.P. Net. 1LB.

EDME LIMITED, IMPERIAL HOUSE, REGENT STREET, LONDON, W.1

Phone: Regent 5563-4, Grams: Edme, Piccy, London

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For CHEMISTS ONLY

A NEW PROFITABLE QUICK-SELLING LINE

HOSTESS

FRUIT SQUASHES

Making a host of friends

RESTRICTED EXCLUSIVELY TO CHEMISTS

GOOD PROFITS

RETAIL PRICE - per bot. 2/9
YOUR RETURN 33/- doz.
YOUR BUYING PRICE 24/9 ,,
YOUR PROFIT - 8/3 ,,
(equals 33⅓ on cost)

ATTRACTIVE VALUE

And a quality you can confidently recommend. The smart pack makes a most attractive display.
Popular flavours. Orange, Lemon, Lemon and Orange, Pineapple, Applym (a Lime flavoured apple juice cordial).

ORDER THROUGH YOUR USUAL WHOLESALE CHEMISTS

CITRUS Products Co. Ltd. *87 Regent St. London, W.1*

Rexall Cherry Bark Cough Syrup
Rexall Bone & Nerve Liniment
Rexall Bronchial & Catarrh Syrup
Rexall Throat Pastilles
Rexall Huskoids
Rexall Glycerine of Thymol Pastilles
Rexall Cold & Influenza Mixture
Rexall Malt & Cod Liver Oil

Orders for the above items and other products for Autumn Business are now coming in rapidly and we again invite the co-operation of Rexall Pharmacies by sending us their orders immediately and we offer our usual long dating terms.

REXALL DRUG COMPANY LTD.
Kirkewhite St., NOTTINGHAM

AN ALL COTTON WOOL PRODUCT OF REPUTI

Consoluxe (Registered) Patent No. 410702

SUPERFINE QUALITY
ALL WOOL SANITARY TOWELS

LOOPED ENDS
NON-ABSORBENT BACK

WHOLESALE ONLY

ROBERT BAILEY & SON, LTD.
SURGICAL DRESSING MANUFACTURERS
DYSART STREET, GREAT MOOR, STOCKPORT
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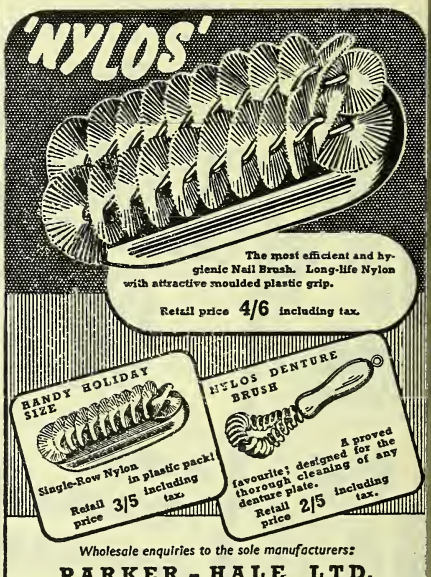

Wholesale enquiries to the sole manufacturers:
PARKER - HALE LTD.
BISLEY WORKS, WHITTALL ST., BIRMINGHAM, 4

In line with their policy of giving the utmost support to the trade, Lifeguard Products Ltd. have booked the first post-war full page advertisement to appear in the Radio Times, the nation's largest shop window. The advertisement, which appears July 15, offers £100 in prizes in a competition to be judged by a famous radio personality.

The Radio Times is read by 7,092,280 families throughout Great Britain every week, and products advertised in it are always ready sellers. Are your stocks and displays of Lifeguard sufficient to meet increased demand?

Attractive showcards tying up with this competition are available on application to Lifeguard Products Ltd., 21, Watling Street, E.C.4.

Stock and display the goods advertised in the

RADIO TIMES

MEMBER A.B.C.

7,092,280 AVERAGE WEEKLY NET SALE 1948

RT14

Advertisement Department, B.B.C. Publications, Broadcasting House, Portland Place, London, W.1.

A Pharmaceutical Achievement

MAGSILATE

ASPIRIN THERAPY
BROUGHT TO PERFECTION

CAN BE EATEN LIKE A SWEET

No water required

- **Quicker absorption — more effective actio**
- **No gastric disturbance.**
- **Fully protected against deterioration.**

MAGSILATE is a CF product, sold *through chemis only.* Terms are profitable. Attractive showcards, i formative literature and free samples supplied wi orders.

A product of
WESTMINSTER LABORATORIES LTD.
Chalcot Road, London, N.W.I.

Supplied in two sizes:—4d. & 1/10d. (inc. P. Tax) and Dispensing Packs of 125 and 500 Tablets.

PATA.

CENTURION BRAND

LOZENGES PASTILLES TABLETS

Wherever you may be!

In whatever part of the country your business may be situated there is a "CENTURION" Representative at your service—eager to assist you in any way possible. "CENTURION" Brand Products are popular with Chemists, and their customers, because it is known that the high standard of quality is consistently maintained. A postcard to the appropriate address below would bring the Representative to you at the earliest possible moment.

SOUTH LONDON AND SURREY
Mr. F. Walker, M.P.S., 15, Avenue Road, BELMONT, Surrey.

NORTH LONDON AND MIDDLESEX
Mr. F. L. Kempson, M.P.S., 47, Kingfield Road, EALING, W.5.

NORTH WESTERN NORTH WALES YORKS (W. RIDING)
Mr. H. Seddon, M.P.S., 48, Pierston Avenue, BLACKPOOL, N.S.

NORTHERN AND YORKS (EXCEPT WEST RIDING)
Mr. W. Goode, I, Brampton Avenue, Walker, NEWCASTLE-ON-TYNE, 6.

SOUTHERN
Mr. P. F. Lobb, Shalford, Romney Road, Ensbury Park, BOURNEMOUTH.

SOUTH WEST & SOUTH WALES
Mr. D. E. Williams, M.P.S., St. Davids, Park Road, CREDITON.

MIDLAND
Mr. C. L. Bury, 6, Gilway, TAMWORTH, Staffs.

EAST ANGLIA
Mr. G. C. Muir, M.P.S., 8, Sylvia Avenue, HATCH END, Middlx.

SCOTLAND
Mr. H. H. Heal, M.P.S., 90, Essex Drive, GLASGOW, 4.

ESTD. 1817

NORTHERN IRELAND
Mr. P. L. Browning, 220, Antrim Road, BELFAST.

ERNEST JACKSON AND COMPANY LIMITED, CREDITON, DEVON

Facts you ought to know about Ammoniated Dentifrices

In view of the possibility that imitations will invade the market, pharmacists should be made aware of the following facts.

1. Ammi-dent is the original ammoniated dentifrice, with which most of the research work was done which convinced the U.S. Dental Profession that the release of the Ammonium Ion in the saliva definitely reduces the possibilities of tooth decay.

2. Ammi-dent has by far the largest sales of any ammoniated Dentifrice in the world and already its sales in America are exceeding those of almost all the old established brands of ordinary tooth pastes and powders.

3. Ammi-dent is made in England under exclusive license from the Eastern Graduate Research Foundation of New York, which developed the particular combination of dibasic ammonium phosphate and synthetic urea that has brought such startling results.

4. Ammi-dent has already secured in three short months, the interest and the support of well over 50% of the Dentists in Britain. Scores of applications for clinical samples are still being received every day.

If you are not yet stocking Ammi-dent, secure a supply from any wholesaler today.

DISTRIBUTORS:
Fassett and Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1

AMMI-DENT

The Ammonium Ion Tooth Powder

MADE AND GUARANTEED BY THE
WERNET DENTAL MANUFACTURING CO., WELWYN GARDEN CITY, HERTS.

IT'S IN NYLON! THE MODERN HAIR NET

★ *SELF-ADJUSTING*
One size fits all hair styles.

★ *IT HOLDS THE CURLS*
The Elastic Panels keep them firmly in place.

★ *NYLON FOR HARD WEAR*
The P5 Outlasts many ordinary Hairnets. It is beautifully soft and can be WASHED REPEATEDLY.

★ *ATTRACTIVE DISPLAY*
The P5 in transparent envelopes, are packed 1 dozen in striking Counter Display Boxes in either single or assorted shades. (Apple, Peach, Sky.)

Price to retail trade, 25/- per unit, plus tax.

Price to public of P5, 3/11 including tax.
(Wholesale only)

RAYWARP TEXTILES LTD. ALFRED STREET NORTH, NOTTINGHA

ONCE MORE
WE CAN OFFER . . .

SPHAGNOL
SHAVING STICKS

7/9 doz. Tax 2/7
Retail Price 1/3 Inc. Tax

Supplied at 13 to dozen on orders of 2 dozen or more

AVAILABLE FROM ALL WHOLESALERS OR DIRECT FROM:—

Sole Manufacturers

PEAT PRODUCTS (SPHAGNOL) LTD.
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Handmaid

protects hands against the dirt of daily work

Samples and prices will be sent gladly on application to the
WESTBROOK LANOLIN Co.
Subsidiary of Woolcombers Ltd.
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Westbrook PRODUCTS

Firm Favourites!

with every member of the family . . . .

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(MEDICINAL AND TOILET)

SOAP · OINTMENT

TALCUM POWDER · SHAVING STICK

These grand aids for skin-care have been giving confidence and satisfaction for over 65 years. Profits are good — Advertising consistent and widespread. Sales-promoting window displays always at your service.

The following attractive products, each with a universal appeal, will shortly be added to the popular Cuticura Range:

HAND CREAM · BABY OIL

SHAVING CREAM · LIQUID ANTISEPTIC

AFTER-SHAVE LOTION

British Distributors: NEWBERY & PHILLIPS LTD.
203, Victoria House, Southampton Row, London, W.C.1
TELEPHONE: HOLBORN 1564

for

THE POTTER DRUG & CHEMICAL CORPORATION
205-207, Victoria House, London, W.C.1

328

PACKS

for your own PRODUCTS!

The best way to publicise your Proprietary Brands is to give them "eye appeal" with packs of attractive design, soundly manufactured. Let us send you samples to suit your individual needs.

J. DRING LTD. THE AIRPORT PORTSMOUTH. Tel. 74448/9

Chemists everywhere are discovering the double benefit of recommending **AURORAL DYES** . . . . quick, profitable turnover and satisfied customers who buy again.

Less 5% for cash in 7 days

AURORAL
Cold Water Dyes
48/- gross. Retail 6d. per pkt.

WINNER
Home and Stocking Dyes
24/- gross. Retail 3d. per pkt.

WHITAKERS OF KENDAL

EXPERT GUIDANCE IN TRUSS FITTING

Under the National Health Service these appliances can be ordered on EC10 forms.

Pharmacists should be fully acquainted with the practical details involved in the supplying and fitting of them.

The informative series of articles on the subject recently published in The CHEMIST AND DRUGGIST have been reprinted in booklet form, which provides full information in concise detail. Copies should be handy for reference purposes in every pharmacy.

Supplies are now available at following prices :-

Single copies . . . . . 1/6 post free
1 doz. copies . . . . . 1/4 each post free
2 doz. copies . . . . . 1/3 each post free
50 copies or over . . . 1/- each post free

Orders with remittance to the Publisher:

The CHEMIST AND DRUGGIST
28 Essex St. Strand - London, W.C.2

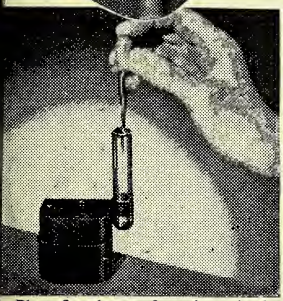
New 1-minute urine-sugar tablet test– CLINITEST

Trade Mark

NO EXTERNAL HEATING · SIMPLE · SPEEDY · CONVENIENT · RELIABLE

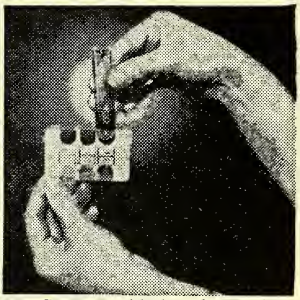
HANDY POCKET-SIZE SET
All essentials in this compact case.

Every customer for insulin and other diabetic products will be interested in Clinitest. This one-minute tablet test has the approval of the Medical Advisory Committee of the Diabetic Association. It is based on the same chemical principles as the Benedict Test, *but requires no external heating*. All reagents are compressed in a single tablet which generates its own heat.



. Place five drops of specimen in the test tube ; add ten drops of water.

2. Drop in one Clinitest tablet; allow thirty seconds for reaction.



3. Compare with the colour scale.

Retail Prices

CLINITEST SET (complete) **12/-** **REFILL BOTTLE** (36 tablets) **4/-** Trade Discount 33⅓%

A supply of leaflets for distribution to purchasers of diabetic products will be sent with all orders.

DON S. MOMAND LTD.

Sole Distributors for The Ames Company Inc.

57 ALBANY STREET, LONDON, N.W.1. Tel: EUS 1326

A PRODUCT OF THE AMES COMPANY INC. OF ELKHART, IND., U.S.A

II

Do COLDS take a holiday in Summer?

WHEN the weather gets warm, do colds pack up and migrate to other lands? You can tell by the summer demand for Serocalcin that they don't. For England's unpredictable and flighty climate is a fun fair for colds. Anticipate this season's demand by having plenty of Serocalcin in stock. Your customers will ask for Serocalcin because they know its value as a quick and efficient treatment for colds. Three tablets taken three times daily, in the early stages of a cold, often clear up the attack in 48 hours.

Pharmacists are reminded that the sole selling agents for Serocalcin in the U.K. are J. C. Eno Ltd., Watford, Herts. (Watford 7761) to whom all orders and enquiries should be sent.

SEROCALCIN

FOR THE PREVENTION & TREATMENT OF COLDS

HARWOODS LABORATORIES LTD · WATFORD · HERTS

Printed by The Haycock Press, Ltd., 106-140 Neate Street, Camberwell, S.E.5, and Published by the Proprietors, Morgan Brothers (Publishers), Limited, at 28 Essex Street, Strand, London, W.C.2. 69/3

The Chemist & Druggist SUPPLEMENT

HEAD OFFICE: 28 ESSEX STREET, STRAND, LONDON, W.C.2

Telephone : Central 6565 (10 lines) *Telegrams : "Chemicus, Estrand, London"*

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COUNTY ANTRIM. Vendor going to Africa. Old-established Chemist business. Accountant's figures. Turnover £6,000 per annum. Good profits. Two assistants employed. Excellent fixtures and fittings estimated to be worth £700. Good clean saleable stock estimated to be worth about £1,000. Rent £150 per annum. Long lease. Total inclusive purchase price £2,400 or valuation terms considered. Apply for details to Orridge & Co., 184 Strand, W.C.2.

IRELAND—Business Transfers. We have established a department dealing exclusively with business transfers in Ireland. Our register of prospective purchasers ensures early and advantageous introductions, and our experience can save you worry and loss. Our advice is freely available to any Pharmacist wishing to dispose of his business by reason of retirement or for any other cause.

STOCKTAKING. A skilled and experienced Staff is now at the service of Irish Pharmacists.

WE INVITE YOUR INQUIRIES

184 STRAND · LONDON · W.C.2

Telephone : TEMPLE BAR 9212/3—6340 Telegrams : Orridgchem Estrand, London

Branch Offices: 36 Cannon St., Birmingham, 2. Phone : Midland 6547

77 High St., Shirley, Southampton. Phone : Southampton 71708

BUSINESSES FOR DISPOSAL

6 words 8/6 (minimum) then 3d. per word. Box 2/-

RIGHTON. Chemists for sale. Main street, at £200 rent. Now taking £150 per week. Beautifully fitted. £4,500. Lease, fixtures, etc., s.a.v. About £1,500. Part payment can remain. Owner retiring. Box 6/447.

KENT, Sussex, Surrey and Hampshire. Shop premises (some with living accommodation) for sale and to be let in busy trading positions of large towns. Box 6/439.

KENT. Drug and herbal business. Old-established, steady family trade. Main road corner premises. 10 rooms, private entrance, garden, garage. Vacant possession. Freehold price £5,500, s.a.v. For further particulars, apply Box 6/454.

MODERN DOUBLE-FRONTED SHOP in excellent position adjoining Tooting Broadway underground and tram stop. Facing post office. Fluorescent lighting. Two entrances. Frontage 18 ft. Ideal for chemist or surgical stores. Rent, £325 per annum. Price, £450. Ring Green, Battersea 1856.

MANUFACTURING CHEMISTS. toilet, perfumery and pharmaceutical. 1948 turnover £13,000. Excellent connections. Goodwill, plant and fittings, £1,000. Stock at valuation (about £2,500). Morgan, 19 St. Martin's St., W.C.2 (Whi 8396).

MODERN PHARMACY. First-class living accommodation. Garage. Populous district in Lancs. manufacturing town. Good opportunity for young couple. About £2,000 required. Banker's references. Qualified supervision available if required. Kodak agency. No agents. Box 6/425.

SMALL DRUG STORE for sale, North London. Cheap rent. Long lease. 11 The Hale, Tottenham, London, N.17.

BUSINESSES WANTED

36 words 8/6 (minimum) then 3d. per word. Box 2/-

ADVERTISER requires a first-class old-established proprietary line showing good nett profits over many years or a first-class wholesale and/or manufacturing business or a partnership in same. Consideration will be given to anything which shows promise. Ample cash at disposal. Box 6/411.

YOUNG PHARMACIST requires to purchase a pharmacy, Yorkshire preferred but not essential. Good living accommodation with garden an advantage. Cash waiting for a business returning not less than £1,000 nett per annum. Would entertain partnership with a view to succession later. Box 6/410.

The Bridge
Walsall, nr. Birmingham
Phone: Walsall 5948
29 Rigby Buildings, 4 Aytoun St.
Manchester 1
Phone: Central 0877
141 Bath St., Glasgow
Phone: Douglas 3168

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Chemists' Transfer Agents, Stocktakers and Valuers
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South Coast Representative:
G. Loxton Grinstead, M.P.S.
"Edwelna," Oaklands Avenue
Saltdean, nr. Brighton, Sussex
Phone: Rottingdean 8233

BUSINESSES FOR DISPOSAL

A.1. West End (Near). Old-style pharmacy, established over 100 years, for immediate disposal owing to managerial difficulties. We are informed that pre-war, the turnover reached £10,000 per annum on occasions. The returns for the last financial year were £3,890 and the owners are prepared to accept a price equivalent to the value of the stock and fixtures only (£1,500/£1,800). They are also willing to allow part of the purchase money to be paid over a period. Exceptional opportunity for young energetic chemist with limited capital.

A.2. Surrey (Death Vacancy). Middle and working-class business in congenial country district; turnover for last financial year £5,330; scope should exist for further development. Small flat, which is available for occupation if required; new 21 years' lease at £150 p.a.; stock and fixtures valued for probate at £1,679; total price £3,300 or near offer.

A.3. London, S.E.17. Working-class business with extensive N.H.S. connection. Present turnover approx. £400 per month. Good scope. Low rent. Price £2,400, including stock and fixtures estimated at £1,200.

A.4. Essex (Congenial Town). Well-established business occupying main-road position. Turnover for 1947/48 exceeded £9,000. The returns during the current year have averaged at the rate of approx. £175 p.w. Price £6,000, including stock estimated at £1,500. Owner retiring.

A.5. London, S.E. Drug Store offering scope for conversion to pharmacy. Turnover for last financial year £2,185. Flat at present sublet but is expected to be vacated shortly. 21-year lease at moderate rental. Price £2,000, including stock and fixtures estimated at £1,350.

OFFICIAL VALUERS TO THE N.P.U. BUSINESS PURCHASE FUND

APPOINTMENTS

2/6 per line (12 lines = 1"). Box 2/-

THE CHEMIST AND DRUGGIST EDITORIAL STAFF

There is a vacancy for a pharmacist as a sub-editor on the staff of The Chemist and Druggist. Journalistic or publicity experience desirable but not essential. The work is interesting and varied, and the position is permanent, progressive and pensionable. Applications, stating qualifications and experience, should be addressed to the Staff Director, Morgan Bros. (Publishers), Ltd. 28 Essex St., Strand, London, W.C.2.

THE HOSPITAL FOR SICK CHILDREN, GREAT ORMOND STREET, LONDON, W.C.1.

ASSISTANT PHARMACIST

Applications are invited for this position. Salary, £370 to £450 on J.N.C. Scale, according to experience. Apply, with details of age and experience, to A. Rae, Chief Pharmacist.

HOSPITAL MANAGEMENT COMMITTEE No. 9 WAKEFIELD "A" GROUP

CLAYTON HOSPITAL, WAKEFIELD

FIRST ASSISTANT PHARMACIST required. Non-resident post. Salary in accordance with the recommendations of the Joint Negotiating Committee, i.e., £415 x 15—£490 per annum. Applications, stating age, qualifications and experience, with copies of three recent testimonials, should be sent to the undersigned.

W. READ,
Secretary.

HILL END HOSPITAL & CLINIC, ST. ALBANS, HERTS

PHARMACIST (locum tenens), male or female, for 9 weeks from the beginning of July. Salary 10 guineas per week. Apply, stating full particulars of experience, to Medical Superintendent, Hill End Hospital & Clinic, St. Albans, Herts.

WEST MIDDLESEX HOSPITAL

SOUTH-WEST MIDDLESEX HOSPITAL MANAGEMENT COMMITTEE

LOCUM ASSISTANT PHARMACIST required for the following periods: —
4th July to 16th July; 26th September to 1st October.
Salary £8 8s. to £10 10s. per week, according to experience. Non-resident. Applications, with testimonials and full particulars of age, qualifications and experience, to the Chief Pharmacist, West Middlesex Hospital, Isleworth, Middlesex.

WEST HAM GROUP HOSPITAL MANAGEMENT COMMITTEE

FOREST GATE HOSPITAL, LONDON, E.7

Non-resident LOCUM ASSISTANT PHARMACIST required immediately by Forest Gate Hospital, for an indefinite period. Hours of duty 39 per week. No Sunday duty. Salary up to £10 10s. per week according to experience.
Applications, stating age, qualifications, experience, and copies of three recent testimonials, should be sent to the Medical Superintendent, Forest Gate Hospital, London, E.7.

ASSOCIATION OF BRITISH PHARMACEUTICAL INDUSTRY

The Association requires an Assistant-Secretary (Export). Should be between 30 and 40 years of age. Preferably a registered pharmacist. Must have good practical commercial export experience. Duties to include attendance at meetings and to deal with correspondence and general inquiries. Initiative, high intelligence, and outstanding personality are important considerations. Salary according to experience. Superannuation scheme after a specified period of service with the Association. Write with full particulars of experience, qualifications, age, etc., to the Secretary, The Association of British Pharmaceutical Industry, Tavistock House North, Tavistock Square, London, W.C.1.

BRADFORD EDUCATION COMMITTEE TECHNICAL COLLEGE, BRADFORD

Applications are invited for appointment as ASSISTANT LECTURER in PHARMACY in the College.

The salary, including allowances, may range from £300 to £660 per annum, according to the Burnham Scale. The commencing salary will be according to qualifications and experience, and may be increased up to a maximum of twelve increments of £15 per annum in respect of approved service in industry. The post will, subject to approval, be a Special Post under the Burnham Award, with an additional allowance of £100 per annum.

Further particulars of the appointment and forms of application may be obtained from the Director of Education, Town Hall, Bradford, and completed forms should be returned to the Principal of the College within two weeks from the date of publication of this advertisement.

A. SPALDING,
Director of Education.

DARTFORD HOSPITAL MANAGEMENT COMMITTEE

Applications are invited from Registered Pharmacists for the following appointments:—

ASSISTANT PHARMACIST, at the Southern Hospital. Salary £370-£450 a year. Accommodation can be provided for a male or female officer.

ASSISTANT PHARMACIST, at the West Hill Hospital. Salary £370-£450 a year. Accomodation can be provided for a female officer.

J.N.C. conditions of service.

Applications, with full particulars and the names of two persons to whom reference may be made, should be sent to the Secretary, Dartford Hospital Management Committee, Room No. 59, The Bow Arrow Hospital, Dartford, Kent.

CONNAUGHT HOSPITAL,
WALTHAMSTOW, E.17

LOCUM PHARMACIST required from 5th-24th September, 1949. Salary £11 11s. p.w. Resident or non-resident. If resident, a deduction at the rate of £130 p.a.

Applications, stating age, experience, and names of two referees, should be sent to The Secretary, Hospital Management Committee, Forest Group No. 11, Administrative Offices, Langthorne Rd., Leytonstone, E.11.

REDHILL COUNTY HOSPITAL

LOCUM PHARMACIST required for 10 weeks commencing July 4 at DORKING AND REDHILL COUNTY HOSPITALS.

Salary £10 10s. per week.

Apply to Chief Pharmacist, Room 45, Redhill County Hospital, Earlswood Common, Redhill, Surrey.

Applications are invited for the post of (a) SENIOR ASSISTANT PHARMACIST or (b) ASSISTANT PHARMACIST. For the Group Pharmacy situated at the KENT AND CANTERBURY Hospital, Canterbury.

Salary scales (a) £415 x £15 p.a. to £490, and (b) £370 x 4 of £15 and 1 of £20 p.a. to a maximum of £450. In addition certain payments may accrue in respect of special duties involving about three hours' extra work each week.

Applications from duly registered pharmacists should be forwarded to the undersigned within 14 days of the publication of this advertisement.

Further information concerning duties will be forwarded on request.

J. F. KENT, Secretary,
Canterbury Group H.M.C., St. Martin's Hospital, Canterbury.

DARTFORD HOSPITAL MANAGEMENT COMMITTEE

CHIEF PHARMACIST required at the Southern Hospital, Dartford. Salary £485 to £585 a year. Accommodation can be provided, if required.

J.N.C. conditions of service.

Applications, with full particulars and the names of two persons to whom reference may be made, should be sent to the Secretary, Dartford Hospital Management Committee, Room No. 59, The Bow Arrow Hospital, Dartford.

BOTLEYS PARK HOSPITAL MANAGEMENT COMMITTEE

Registered ASSISTANT PHARMACIST for Botleys Park Hospital, Chertsey, Surrey. J.N.C. (Hospital Staffs) salary, viz., £370 inclusive; annual increments up to £450 p.a. Previous experience may determine commencing salary. Recently qualified pharmacists eligible. Opportunity to take part in preparation of sterile products. Whole-time, established, pensionable, subject to medical examination. Application, stating age, qualifications, experience, with copies of not more than three recent testimonials, to Physician Superintendent, Botleys Park Hospital, Chertsey, Surrey.

No. XVI UPTON MENTAL HOSPITAL MANAGEMENT COMMITTEE

UPTON MENTAL HOSPITAL, CHESTER PHARMACIST WANTED. Salary in accordance with recommendations of Joint Negotiating Committee (Hospital Staffs) at a commencing range of £420 to £475 per annum, according to experience, with five further annual increments of £15. Application form from Medical Superintendent. Endorse envelope "Pharmacist."

F. R. MILLET.
Secretary to the Management Committee.
21st June, 1949.

BERDOE & FISH
Chemist Transfer Agents and Valuers
41 ARGYLE SQUARE, KING'S CROSS, W.C.1
(opposite St. Pancras and King's Cross Stations)
- Business Transfers, without publicity, our speciality
- Businesses urgently required, advice free
- All Valuations and Stocktakings, carried out under personal supervision of principals

Established 1870 Phone: TERminus 3574

Appointments—Continued

ST. GEORGE'S HOSPITAL, Hyde Park Corner, S.W.1

Required, ASSISTANT PHARMACIST. J.N.C. rates of pay. Applications, with copies of testimonials, to Chief Pharmacist.

WEST HAM GROUP HOSPITAL MANAGEMENT COMMITTEE FOREST GATE HOSPITAL

LONDON, E.7

Applications are invited for the appointment of ASSISTANT PHARMACIST at Forest Gate Hospital, London, E.7.

Whole time. Hours of duty 39 per week. No Sunday duty. Salary in accordance with J.N.C. (Hospital Staffs), viz., £370, rising by four annual increments of £15, and one of £20 to a maximum of £450 per annum. Experience will be taken into account in determining the commencing salary within the authorised scale.

Newly qualified pharmacists considered.

Applications, stating age, qualifications, experience, and copies of three recent testimonials, should be sent to the Medical Superintendent, Forest Gate Hospital, London, E.7.

THE UNITED LEEDS HOSPITALS. THE GENERAL INFIRMARY AT LEEDS.

Applications are invited for the appointment of ASSISTANT PHARMACIST. Salary commencing at £350 p.a., plus meals when on duty, and with additional payment for standby duty. The remuneration payable is subject to adjustment in the light of scales to be made known by the Minister of Health. National Health superannuation scheme in force. Night and week-end duty will be worked in rotation. Previous hospital experience not essential. Applications, stating age, sex and experience, together with the names of not more than three referees, must be sent to the undersigned as soon as possible.

S. CLAYTON FRYERS,
Secretary to the Board.

ANCOATS HOSPITAL

(NORTH MANCHESTER HOSPITAL MANAGEMENT COMMITTEE)

MILL STREET, MANCHESTER, 4.

SENIOR ASSISTANT PHARMACIST required. Salary in accordance with J.N.C. scales.

Applications, stating age, experience, qualifications and date of qualification, together with the name and address of two referees, should be sent to the undersigned as soon as possible.

JOHN H. DAFFORNE,
General Superintendent.

THE HOSPITALS FOR DISEASES OF THE CHEST

THE LONDON CHEST HOSPITAL, VICTORIA PARK, E.2.

LOCUM PHARMACIST IN CHARGE required from Monday, 29th August, to Saturday, September 10, inclusive. There is one assistant. Salary £10 10s. per week, with lunch and tea. Apply with full particulars to the Secretary.

HOSPITALS FOR DISEASES OF THE CHEST

The London Chest Hospital invites applications for the post of SENIOR ASSISTANT PHARMACIST with charge of the Sterilising Department. J.N.C. salary scale with the range of £415-£490. Applications, with copies of testimonials, to be sent to the Secretary, London Chest Hospital, Victoria Park, E.2.

JOINT PRICING COMMITTEE FOR ENGLAND

ASSISTANT CLERK OF THE COMMITTEE

Applications are invited for the post of ASSISTANT CLERK of the Committee. The post carries a salary of £595 per annum, rising by two annual increments of £20 and one of £25 to £660 per annum.

Applicants, who should be not more than 50 years of age, should have a good experience of administrative, organising and book-keeping duties. A good knowledge of the work of a pricing bureau will be an asset and preference will be given to a pharmacist.

Applications should be addressed to The Clerk, Joint Pricing Committee for England, 28 Kenwood Park Rd., Sheffield, 7.

24th June, 1949.

No. 12 GROUP EAST ANGLIAN REGIONAL HOSPITAL BOARD

CHIEF PHARMACIST

There is a vacancy at the Peterborough and District Memorial Hospital for a CHIEF PHARMACIST (male or female). The post is a non-resident one and there is one assistant. Salary according to the Joint Negotiating Committee (Hospital Staffs) recommendations.

Applications, stating age and experience, with copies of three recent testimonials, should be sent forthwith to Mr. F. A. C. Taylor, House Governor and Secretary, Peterborough.

ARCHWAY GROUP HOSPITAL MANAGEMENT COMMITTEE

Two ASSISTANT PHARMACISTS required for St. Mary Islington and Highgate Hospitals, N.19. Salary scale £370-£450, according to experience. Apply, giving age and experience, to Secretary, Archway Group Hospital Management Committee, Copley Dene, 46 Cholmeley Park, N.6.

MANCHESTER VICTORIA MEMORIAL JEWISH HOSPITAL, CHEETHAM, MANCHESTER, 8

(NORTH MANCHESTER HOSPITAL MANAGEMENT COMMITTEE)

ASSISTANT PHARMACIST required. Salary according to J.N.C. scale, i.e., £370-£450 p.a. N.H.S. Superannuation Scheme in force. Applications with full particulars and copies of not more than three testimonials to the Hospital Administrator at the Hospital.

ROMFORD GROUP HOSPITAL MANAGEMENT COMMITTEE

APPOINTMENT OF DEPUTY CHIEF PHARMACIST

Applications are invited for the above non-resident appointment at Oldchurch Hospital, Romford. This modern hospital of 750 beds, with specialist departments, is situated 12 miles from London, and is well served by road and rail transport services.

Applicants should have had not less than three years' hospital experience after qualifying as a Pharmacist. Salary in accordance with J.N.C. scale, viz., £425/£20/£525 a year, plus one additional increment of £15, if specially recommended, to a maximum of £540 a year.

The appointment will be subject (a) to passing a satisfactory medical examination and (b) to the provisions of the National Health Service (Superannuation) Regulations, 1947.

Applications, stating age, qualifications, present employment and previous experience, and giving the names of three referees, should be addressed to the Secretary, Hospital Management Committee, Oldchurch Hospital, Romford, as soon as possible.

KINGSTON GROUP HOSPITAL MANAGEMENT COMMITTEE

ASSISTANT PHARMACIST

Applications are invited for the position of ASSISTANT PHARMACIST at Kingston Hospital, Wolverton Avenue, Kingston-on-Thames.

The vacancy is an excellent opportunity for a newly-qualified pharmacist to obtain experience in a busy department with a staff of five.

Salary in accordance with the recommendations of the J.N.C. (Hospital Staffs).

Applications should be made as soon as possible to the Medical Superintendent.

NORTH MIDDLESEX HOSPITAL, EDMONTON, N.18

ASSISTANT IN DISPENSING. Applications invited. Candidates must hold Apothecaries' Hall Certificate. Salary according to recognised scale. Applications, giving details of training and experience, together with copies of recent testimonials, should be sent to the Secretary, as soon as possible.

KING'S COLLEGE HOSPITAL GROUP, DENMARK HILL, S.E.5

A LOCUM ASSISTANT PHARMACIST required for about three months. Salary £10 10s. per week. Apply to the Pharmacist.

KING'S COLLEGE HOSPITAL GROUP, DENMARK HILL, S.E.5

ASSISTANT PHARMACIST

Applications are invited for the above post. Salary and hours in accordance with J.N.C. scale. The appointment is subject to passing a medical examination. Apply, giving details of age and experience to the Pharmacist at above address.

ST. LUKE'S HOSPITAL, BRADFORD

DISPENSARY ASSISTANT. Applications are invited from women who hold the Certificate of the Society of Apothecaries for junior post in the pharmacy department of St. Luke's Hospital. Salary in accordance with J.N.C. Scale. Applications, stating age, qualifications, experience, along with copies of testimonials, should be sent to H. Trusson, Secretary, Hospital Management Committee, Bradford "A" Group, Royal Infirmary, Bradford.

MANCHESTER BABIES' AND CHILDREN'S HOSPITAL MANAGEMENT COMMITTEE

BOOTH HALL HOSPITAL, BLACKLEY, MANCHESTER, 9.

Applications are invited for the following appointments: SENIOR ASSISTANT PHARMACIST. Salary scale, £415-£490, according to experience. ASSISTANT PHARMACIST. Salary scale, £370-£450, according to experience. The appointments are subject to the N.H.S. superannuation regulations. Applications to be sent as soon as possible to the Secretary to the Committee at the above address, from whom any further information may be obtained.

Vacancies advertised are restricted to persons or employments excepted from the provisions of the Control of Engagements Order, 1947.

SITUATIONS OPEN

36 words 8/6 (minimum) then 3d. per word. Box 2/-

RETAIL (HOME)

ASSISTANT wanted, mainly for dispensing. Must be experienced and reliable. Hall qualification welcomed, though not necessary. Permanent and well-paid position. Walthamstow district. Full particulars furnished on application to Box 6/440.

BOOTS THE CHEMISTS have vacancies in a number of districts for qualified assistants, male and female. Salary (male) Central London £10 5s. to £11 5s. Metropolitan District £9 17s. 6d. to £10 17s. 6d. Provinces £9 10s. to £10 10s. (Female Central London £9 15s. to £10 15s. Metropolitan District £9 7s. 6d. to £10 7s. 6d. Provinces £9 to £10, according to age. Engagements are on a permanent basis with good prospects and eligibility for pension, life assurance, etc. There are also a number of vacancies for unqualified assistants with sound pharmaceutical experience. Good remuneration with a view to permanency. Pension scheme, etc. Applications should be made to Retail Staff Department, Station St., Nottingham, stating age, experience, and district preferred.

BRIGHTON. Lady assistant required for very modern pharmacy. Must have good counter experience, including cosmetics. Plenty of scope for applicant with initiative and willing disposition. Give full particulars to Box 6/450.

CHEMIST AND OPTICIAN on C.P.C. list; must be keen refractionist, and willing to help in pharmacy. Stage age, experience and salary required. G. E. Chapman, 166 Church Lane, Smethwick, Birmingham.

CHEMIST, lady or gentleman required immediately, manage small shop, Mill Hill. Good prospects. Write, 105 Millway, Mill Hill. Phone Mil 3002.

CHOICE OF SUITABLE ACCOMMODATION (if required) on appointment. Qualified persons, male and female, are required to manage attractive Pharmacies in south-east and south-west districts of London. Positions are available offering salary from £550 to £650 per annum, plus generous commission. Engagements are permanent and progressive and include entry into superannuation scheme. Apply, giving full particulars to the Staff Manager, Royal Arsenal Co-operative Chemists, Ltd., 113 Powis St., Woolwich, S.E.18.

EASTBOURNE. Qualified assistant required (male or female) for high-class dispensing business. Reply with full particulars to H. R. Browne (Chemists), Ltd., 44 Cornfield Rd., Eastbourne.

EASTBOURNE. Qualified manager required for small branch pharmacy. Apply to H. R. Browne (Chemists), Ltd., 44 Cornfield Rd., Eastbourne.

Situations Open—Continued

CROYDON. Unqualified assistant required for busy shop with brisk counter trade. Applicant must be keen on counter work and be of businesslike disposition. Apply, stating age, experience, references, salary required and usual particulars in first letter to Box 6/441.

DISPENSING ASSISTANT required, Hall certificate preferred, for busy pharmacy in Norfolk seaside and country locality. 42-hour week, no holiday or other duties, good accommodation, moderate charge. Lessey, Station Rd., Heacham. Telephone 297.

EXCELLENT OPPORTUNITY for young qualified optician on C.P.C. list to take control of substantial practice. Premises about to be vacated after 21 years' lease; Birmingham-Wolverhampton area. Box A/9.

FRANK A. ROGERS requires qualified and unqualified assistants. Dispensing and counter. Permanency. Pension scheme. Apply, giving full particulars to W. E. Melville Cook, 1 Beaumont St., W.1.

GOLDTHORPES (CHEMISTS), LTD., will shortly have a vacancy for a manager to take charge new branch in London, S.W.6. No living accommodation at present. Good bonus and commission will be paid and every help given to man with personality and initiative. 312 London Rd., North Cheam, Surrey. Derwent 2804.

HAMPSTEAD. Unqualified lady assistant required, mainly for dispensing. Congenial position in pleasantly situated pharmacy. Easy working hours. Good salary for efficient assistance. Full details of experience, etc., in application to C. Stevens, 38 Heath St., Hampstead, N.W.3.

HEPPELLS (1932), LTD., require unqualified assistant, West End. Good salary and commission. Hours 9-6, Saturdays 9-1. Apply with full particulars to Superintendent Chemist, 70 Vauxhall Bridge Rd., S.W.1.

HEPPELLS (1932), LTD., require experienced cosmetic assistant, West End. Good salary and commission to experienced saleswoman. Hours 9-6, Saturday 9-1. Apply with full particulars, to Superintendent Chemist, 70 Vauxhall Bridge Rd., S.W.1.

LADY, experienced dispensing assistant, knowledge book-keeping, London. Apply "B," Box A/244.

LADY, experienced assistant for chemist's cosmetic counter. Congenial post. Saturday half-day. London. Apply "C," Box A/245.

LADY ASSISTANT required for good-class light retail business in small country town between Bournemouth and Salisbury. Congenial post for one seeking permanency. Full particulars in first letter, please. F. Clarke, Locks Pharmacy, Fordingbridge, Hants.

LEADING SURGICAL HOUSE in Northern Ireland required a competent assistant who must be thoroughly conversant with either surgical instruments or orthopædic appliances. A knowledge of both desirable. Apply, in confidence, giving fullest particulars and salary expected, to Box 6/424.

LEEDS. Wanted: Pharmacist manager wanted for old-established business; salary, £650, plus share of nett profit. Very interesting proposition after first year for right person. Apply with full particulars to H. Mortimer, Ltd., 78 Meadow Rd., Leeds, 11. Tel. 22014.

LONDON CO-OPERATIVE CHEMISTS, LTD., because of rapid development, have several vacancies for experienced pharmacists as branch managers. The positions vacant have definite promotion prospects. Full particulars as to experience, and wages required, in first letter please, to Superintendent Chemist, Grange Rd., Leyton, E.10.

LONDON. City pharmacy. Required a young qualified assistant. Permanent position. Good-class business. Early closing Saturday. No Sunday duty. Write, stating age, experience, and salary required. B. Hooper & Co., 6 Railway Place, Fenchurch St., E.C.3.

MICROSCOPE MANAGER wanted to take charge of department dealing in secondhand microscopes and binoculars. Must be experienced. Write, giving full qualifications and salary required. Permanent position and good prospects. Wallace Heaton, Ltd., 127 New Bond St., W.1.

NOTTINGHAM CO-OPERATIVE CHEMISTS, LTD., require two or three pharmacists as managers for new branches shortly to be opened. The positions are permanent, under congenial conditions and superannuated. The salary is attractive, with half-yearly bonus, and generous and accumulative commission on dispensing. Send details of age, experience, approximate salary expected and availability for interview to Superintendent Chemist, Ronald St., Nottingham.

PHARMACIST required as assistant buyer for modern drug department of Surrey store. Training given in management and buying to suitable applicant. Excellent opportunity for pharmacist with initiative desiring scope for advancement. Living accommodation available. Apply Staff Controller, Bentalls of Kingston.

PHARMACISTS wanted to act as branch managers in Glasgow (East and South Sides), Uddingston and Burnbank. Good commencing salary with superannuation scheme in operation. 44-hour week. Vacancies also exist for pharmacists to act as locums in the Glasgow area for short or long periods. Salary £12 12s. per week. Applications in writing, stating experience, age and when available, to The Technical Supervisor, S.C.W.S., Ltd., Retail Drug Dept., 187 Bogmoor Rd., Glasgow.

PHARMACIST MANAGER required for south-west London. Living accommodation if required. Good salary and prospects. Apply "A," Box A/243.

PHARMACIST REQUIRED to manage branch in the West End of London. Hours 9-6. Light dispensing. Minimum salary and commission £12 10s. weekly. Position permanent. Prospects excellent for person possessing salesmanship. No living accommodation. Write, giving brief particulars in first instance, to Box 6/350.

QUALIFIED lady or gentleman as manager, small country business. Busy hours. No Sunday duty. Accommodation single person or married couple. Box 6/453.

QUALIFIED ASSISTANT (either sex) required for middle-class business for counter and dispensing. Easy hours with no Sunday or holiday duties. Salary £13 a week. Apply to E. Tramner, M.P.S., 42 High St., Smethwick, Birmingham.

QUALIFIED ASSISTANT required for counter and dispensing in high-class pharmacy (T.S.A. licence). High remuneration. Permanency. Modern house available. Chave & Jackson, Ltd., Hereford.

QUALIFIED ASSISTANT, counter and dispensing, capable of taking charge. Adequate help. Middle class business. Interview if possible. Chas. J. Taylor & Son, 292 Cheriton Rd., Folkestone.

QUALIFIED CHEMIST required for branch managership. Good sales scale plus bonus. Superannuation scheme. Flat available. Apply to Personnel Officer, Birmingham Co-operative Society, Ltd., High St., Birmingham, 4.

QUALIFIED MANAGER required immediately. Lady or gentleman, for old-established family business. Dispensing, counter and window dressing. Permanency. Please state age, experience and salary required, Sharpe's Store Chemists, Ltd., 3 High St., Thornton Heath.

Situations Open—Continued

UALIFIED CHEMIST required. Permanency. Lady gent. State salary, etc., Sidney H. Blunt, Ltd., 06 Bordesley Green, Birmingham, 9.

UALIFIED MANAGER required for branch pharacy. Salary, £10 per week, and commission on ational Health dispensing (minimum £1). Superinuation scheme. Apply, stating age and experiice, to Kidderminster Co-operative Chemists, td., Worcester St., Kidderminster.

UALIFIED MANAGER required for West End harmacy. Permanent position allowing full scope r intiative. Good salary and commission. Penons scheme available. Apply with full particulars, ox 6/451.

UALIFIED ASSISTANT, male or female, for Cenal drug department. Dispensing with supervisory nd staff control duties during absence of superinndent. Rota duties shared. Hours 9 a.m. to p.m. Half day 1 p.m. State salary required. mple dispensing assistant. Apply Co-operative ociety, Ltd., Ashton-under-Lyne.

AMSEY, ISLE OF MAN. Male, qualified assistant quired for old-established family business. Perhanency to suitable applicant. Full particulars, ncluding salary required, to J. Corteen, Ltd., 17 arliament St., Ramsey, Isle of Man.

OUTHPORT. Lady assistant (unqualified) wanted. Dispensing experience essential. Permanent, conenial post for suitable person. Good salary, plus rofit-sharing basis. Please apply with particulars o Box 6/442.

TOWMARKET, SUFFOLK. Qualified assistant either sex) required immediately, mainly dispening, in busy pharmacy in market town. Reply, iving particulars and terms. Wilsons (Stowmarket), Ltd., Chemists, Ipswich St.

UPT. PHARMACIST required for small pharmacy, S.E. Essex. Easy, congenial position with prosects. Good salary and bonus and rota payments. Full particulars to Box 6/443.

UNQUALIFIED ASSISTANT required mainly for dispensing in busy pharmacy. Excellent working conditions in well-equipped and up-to-date dispensary. Apply with particulars of experience and salary required, to O. L. Carrington, 300 London Rd., Croydon.

UNQUALIFIED MALE for City pharmacy. Excellent opportunity. Comfortable position. Hours 9-6, Saturday 9-1. No Sunday or holiday duties. No N.H.I. dispensing. Copthall Pharmacies, Ltd., 44 Copthall Ave., London, E.C.2.

VACANCIES occur for experienced pharmacists as branch managers in the East Ham, Ilford, Palmers Green, Potters Bar and Ealing areas of London. Should it be so desired, accommodation in the form of a flat or a house could be provided. The remuneration to be paid in each instance would be not less than £600 per annum, plus other emoluments. Permanency and participation in the superannuation scheme is assured to suitable applicants. Should you be interested an appointment will be arranged to discuss promotion prospects upon application to Superintendent Chemist, London Co-operative Chemists, Ltd., Grange Rd., Leyton, E.10.

WANTED URGENTLY, superintendent pharmacist, age immaterial. Adequate help gvien, no Sunday or holiday duty. One free day weekly. Good salary and easy hours. Locum free for July and August would help until permanency arranged. Phone Maida Vale 9902, or write Box 6/417.

WE HAVE SEVERAL interesting and well paid vacancies for unqualified staff in the London areas of Ilford, Greenford, Battersea and Edgware. Application in first instance to Superintendent Chemist, London Co-operative Chemists, Ltd., Grange Rd., Leyton, E.10.

WEST HARTLEPOOL. Pharmacist, male or female, required to manage modern, newly fitted branch pharmacy. New modern house available, attached to shop. Adequate supporting staff provided. Superannuation scheme. Salary £501 16s. per annum plus rota fees plus bonus scheme. Excellent prospects for capable person. Apply, giving particulars or experience to Superintendent Pharmacist, Hartlepools Co-operative Chemists, Ltd., West Hartlepool.

WINDSOR. Qualified assistant required for busy dispensing business. Apply Wood's Pharmacy, Ltd., 50 High St., Windsor, Berks.

YOUNG LADY ASSISTANT for dispensing and counter; age 20 to 30; for working and middle-class business, London, S.E.1. Salary £8 weekly. Can wait if necessary for suitable applicant. Write in confidence to Box 6/386.

LOCUMS WANTED

JOHN KEALL, LTD., require a qualified locum for July 4 to 23, and August 6 to 20. Apply to John Keall, Ltd., 241 Elgin Ave., W.9.

LOCUM M.P.S., lady or gentleman from August 2nd to 6th. Wilsons (Stowmarket), Ltd., Stowmarket, Suffolk.

LOCUM, QUALIFIED, long or short periods, London Central. Fourteen guineas. Apply "D," Box A/246.

LONDON CO-OPERATIVE CHEMISTS, LTD., have vacancies for locums, both men and women pharmacists, to the end of October. Full particulars as to vacant dates, experience, salary and commission required, in first letter please, to Superintendent Chemist, Grange Road, Leyton, E.10.

RETAIL (OVERSEAS)

DAVID RUXTON, LTD., Umtali, S. Rhodesia, require a young, single assistant pharmacist. Apply for full details to Box 6/455.

OVERSEAS EMPLOYMENT, qualified pharmacist required for Kenya. Five years minimum. Salary commencing £50 month increasing annually; plus 10 per cent. living allowance for cost of living; passage paid out; five months' fully paid leave after five years; provident fund. Written applications giving (1) full name; (2) date of birth; (3) whether married or single, if married how many children; (4) medical grade if known; (5) qualifications and experience; (6) name and address of present employers; (7) details of present work. Should be sent to W. A. Sparrow & Co., Ltd., 65 London Wall, London, E.C.2.

WHOLESALE

A GOOD OPENING OCCURS in national company for representative for Midlands area, preferably resident in Birmingham. High-grade salesmanship required for well-known nationally advertised pharmaceutical lines selling to chemists, hospitals, etc. Permanent post for man with drive and initiative. Write, stating age, experience and whether car driver, to Box A/261.

A LEADING FIRM of manufacturers of ethical products will shortly require a medical representative for Cheshire and N. Wales. Candidates should be preferably qualified pharmacists, age 28-35 years; some hospital training would be considered an asset. The appointment will carry a basic salary, commission and business expenses; there is a contributory pension fund. Apply giving full details and enclosing photograph (which will be returned) to Representative, Box A/252.

AGENTS REQUIRED to sell bath cubes, novelty toilet waters, etc. Older men preferred. Commission only. Write, Box 6/427.

Situations Open—Continued

AGENT WANTED with connection chemists or drapers for proprietary line, nationally advertised and backed with every assistance from Principals. When replying, give full particulars of territory covered plus any relevant details. Box A/218.

AGENTS' SALESMEN/TRAVELLERS with sound connections with chemists, central and Greater London are offered a lucrative sideline on good commission. Completely new, fully patented, no competition, sells at sight, fast repeating. Phone or write for appointment. Walter Shaw, Ltd., 15 Marylebone Mews, New Cavendish St., W.1. Welbeck 1853.

ALKA-SELTZER, Dentesive and Clinitest. Representatives required for these lines on commission basis for the following counties: South Midlands, South-western, Eastern, Southern. Write, giving full details of experience, with names of products now carried, to Don S. Momand, Ltd., 57 Albany St., London, N.W.1.

ANALYTICAL CHEMIST, male, B.Pharm. or A.R.I.C., required; experienced in the microscopic examination of pharmaceutical drugs. Age 25-30 years. £450 p.a. Permanent progressive position. Pension scheme in operation. Box A/257.

ASSISTANT CHEMIST required for the manufacture of perfume compounds and flavouring essences by Manchester firm. Some knowledge of these manufactures desirable but not essential. Five-day week. Reply, stating age, experience and salary required. Box 6/434.

CHEMIST. Graduate (female), required for radio-electrical laboratory, W. London district. Please write fully details of age, experience, qualifications and salary required, to Box 6/449.

CIBA LABORATORIES, LTD., Horsham, Sussex, require immediately, two young, qualified pharmacists for junior executive posts in sales and propaganda departments. Previous experience not necessary. Please apply to The Manager, giving usual particulars and indication of salary required.

COMPETENT MANAGER with good experience required by pill and tablet manufacturers in Midland area. Excellent prospects. Good salary. State full history and experience. Box No. 411, Erwoods, 211 Piccadilly, London.

FASSETT & JOHNSON, LTD., require the services of an experienced representative for Lancashire to sell nationally known proprietaries and surgical dressings to all available outlets. Car provided together with salary and adequate expenses. Residence on territory is desirable. Applications submitted should give particulars of previous experience and salary required and be addressed to Sales Manager.

GLAXO LABORATORIES, LTD., require a laboratory steward in the analytical department of their Greenford factory. The person appointed will be responsible, with assistance, for sampling, storekeeping, cleaning and other duties. Some previous experience is essential. 5-day week. Staff pension scheme. Write, giving particulars of age and experience, to Personnel Manager, Glaxo Laboratories, Ltd., Greenford, Middlesex.

LOVELUCK EDWARDS & CO., have vacancies for established representatives able to carry their quick selling summer lines of well-known leg tan, Meltan, etc. Details of territory, etc., to 432-440 Garratt Lane, S.W.18.

IMPERIAL CHEMICAL INDUSTRIES, LTD., have a vacancy in the Midlands or Northern half of England for an experienced veterinary representative M.P.S., with qualifications to maintain contact with veterinary surgeons and veterinary wholesalers and retailers. Applicants should be fully qualified and be between the age of 25/35. Applications, with full particulars should be addressed to Imperial Chemical (Pharmaceuticals), Ltd., Office Service Department, Fulshaw Hall, Wilmslow, Manchester. This post is excepted from the provisions of the Control of Engagement Order, 1947.

MANUFACTURERS of high-class medicated confectionery, packed and bulk, including pastilles and non-competitive specialities, offer appointments to conscientious and experienced representatives not afraid of pioneer work with quick-selling product of outstanding merit. Sole agencies considered. Territories: 1, S.W. London, Kent, Sussex; 2, West Country; 3, Wales and Gloucester. Permanency, good remuneration and very real prospects are assured to salesmen with energy and enterprise. Car an immediate advantage. The fullest information is necessary in first instance. Mark envelopes "Confidential," and address to Sales Director. Box 6/416.

MANUFACTURING CHEMISTS. Junior Chemist Pharmacist either sex required. One about to qualify considered. Time off for study. To supervise manufacture and packing. Control raw material. Previous manufacturing experience not necessary. State age, salary required and when available. Box A/250.

MANUFACTURING CHEMISTS in Manchester district require qualified chemist for their manufacturing laboratory. Previous experience in the wholesale trade though an advantage not essential. Position would be admirable for a recently qualified man who wishes to adopt the manufacturing side of his profession. Pension scheme in operation. Applications, stating age, experience, qualifications and salary required, to Box A/237.

MANUFACTURING CHEMISTS require a young assistant pharmacist in their London factory, to supervise the manufacturing of pharmaceutical products, toilet preparations, etc. Write, stating age, salary required, and details of previous experience to Box A/258.

PARKE, DAVIS & CO. have interesting posts in their organisation which offer permanency and prospects of promotion to young pharmacists who have ambition for (a) the manufacturing side (b) the Export Sales side (especially if the applicant has a liking for languages) and (c) representation of the Company, after suitable training in East Anglia and elsewhere in England; India and South-East Asia. Write, in the first instance for application forms to the General Sales Manager, Parke, Davis & Co., Staines Rd., Hounslow, Middlx.

PHARMACIST with analytical experience required by a London House to take charge of Analytical Laboratory. Write stating age, experience and salary required. Box A/219.

PHARMACIST REQUIRED. Surgical house. Preferably with knowledge of surgical trade, to manage drug and sundries' department. Applications, stating age, qualifications, experience and salary required, to The Medical Supply Association, Ltd., Holly St., Sheffield, 1.

REPRESENTATIVE for Midlands area, on commission basis, required by old-established manufacturing chemists of tablets, pills, capsules, lozenges and suppositories, to call on wholesale and manufacturing chemists, hospitals and local government departments. Substantial commission available. Must have well-established connections. Apply Matthews & Wilson, Ltd., 6 & 8 Cole St., London, S.E.1.

Situations Open—Continued

OGRESSIVE COMPANY, manufacturing and holesale, require representatives calling on chem-s, toilet stores, hairdressers, multiples, etc.; (1) est Country; (2) Wales and Border Counties;) East Anglia; (4) South-East England; (5) York-ire, Durham and Cumberland; (6) Lancashire d Border Counties. Age no barrier providing plicants are energetic, with firmly established nnections. Car an advantage. Positions per-anent and excellent prospects for conscientious en. Indicate method of remuneration preferred. ull details with at least two references, to Box 421.

EPRESENTATIVE, experienced, required by Mid-nds wholesale chemists' sundries house. Must ve own connection retail chemists, Leicestershire, ottinghamshire, Derbyshire, Staffordshire, etc. ust be thoroughly conversant dressings, N.H.S. quirements, general sundries. Good progressive osition for live wire. Car owner advantage, not sential. State age, experienc. All information eated strictly confidential. Salary, commission, penses. Box A/251.

EPRESENTATIVE required by manufacturers of tionally advertised cosmetics to call on chemists, ores, hairdressers, co-ops, etc., on expenses-and-mmission basis. Good connection and car essen-al. Write giving full particulars, age, experi-ce, etc., and state area covered or desired. ox A/249.

EPRESENTATIVE required calling on doctors and hemists in Essex and Sussex and doctors, hospitals nd veterinary surgeons in North and North West ondon, Middlesex, Hertfordshire, Buckingham-ire and Essex, for wholesale manufacturing ouse. Reply giving full details, experience, etc., Box A/7.

EPRESENTATIVES calling on chemists and Co-ps. for quick-selling line on commission basis. 15 er cent. Box 6/444.

EPRESENTATIVES REQUIRED for East Anglia, outh-West Counties and London, by leading anufacturers of toilet products to call on retail hemists. Old-established nationally advertised nes. Car essential. Send details of experience, ge and remuneration required, to Box A/260.

EPRESENTATIVE WANTED for counties of Derby, ottingham, Leicester and Lincoln by manufac-urers of surgical dressings, sanitary towels and ruggists' sundries, to call on chemists and on rapers (for towels only). Salary, commission and xpenses. Box A/256.

EPRESENTATIVE REQUIRED for wholesale house, to andle proprietary toilet goods, soaps, etc. Call-ng on chemists, druggists and hairdressers in the ondon area. Salary and commission. Permwell Wholesale Supplies, 395 New Cross Rd., S.E.14.

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HARP & DOHME, LTD., announce that the reor-anisation of sales territories has created a num-er of vacancies on their medical representative taff. Applications are invited from men having a ood pharmaceutical or medical background for the ollowing areas: (1) Lancashire (East); (2) York-hire (South); (3) Derbys and Staffs; (4) North-nts, Beds, Oxford, Bucks and Berks; (5) Gloices-ers, Wilts and Hants; (6) Cambs, Norfolk and uffolk. This work is interesting and remunerative nd applicants should be resident on the desired erritory. Brief personal particulars, together with vailability for interview should be sent to Home ales Manager, Sharp & Dohme, Ltd., Hoddesdon, Herts.

REPRESENTATIVES required by pharmaceutical house of high repute to detail medical and dental professions, for Eastern Scottish territory; also London, Surrey, Devon and Cornwall. (Applicant for London, etc., must reside in Surrey). Applicants must have had similar experience. Write, giving details of experience, salary required, age, etc., to Box A/253.

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THE BRITISH DRUG HOUSES, LTD., has a vacancy for a young pharmacist in the technical information department. Ability to write good English is essential. Apply in writing, stating age, experience and salary required, to the Personnel Manager, Graham St., City Rd., N.1.

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